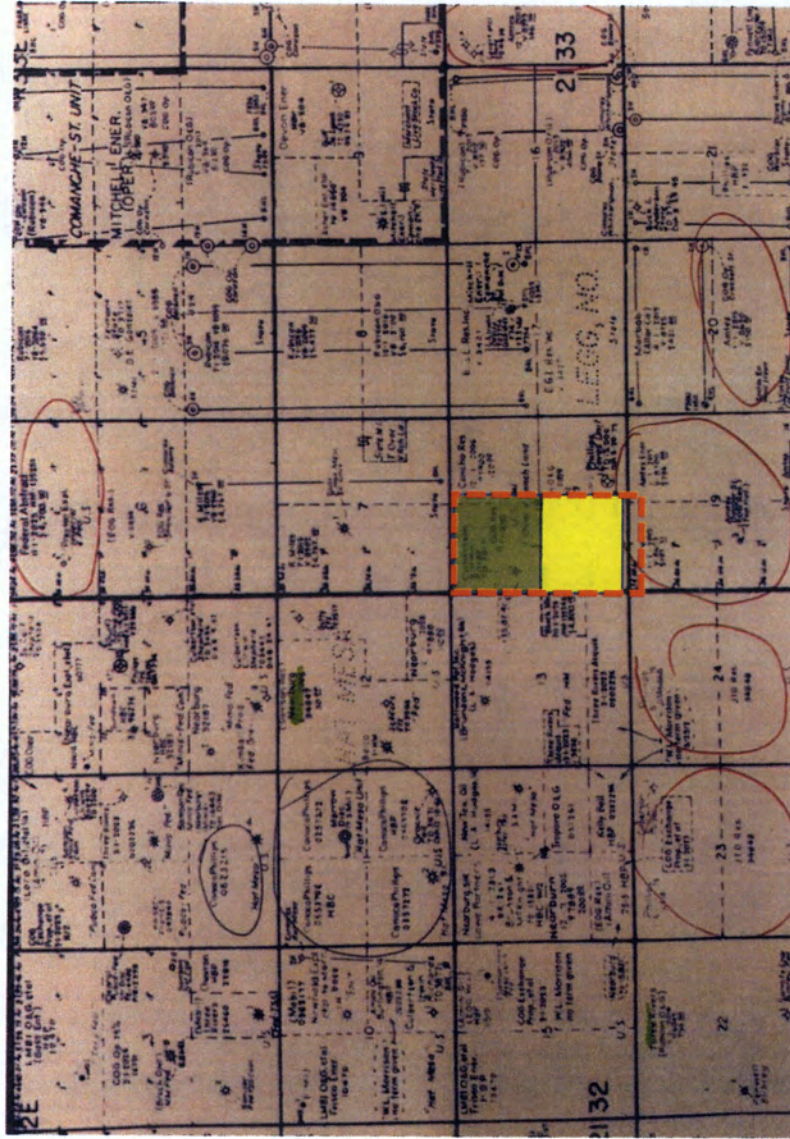


Township 21 South, Range 33 East  
Section 18: Lots 1, 2, 3, 4, E2W2  
 303.56 Gross Acres  
 Lea County, NM



Ascent Energy LLC – 100%  
 151.87 Gross Acres



COG Operating LLC – 75%  
 EOG Resources Inc. – 25%  
 151.69 Gross Acres



*Ascent 15949 - 15952*

Exhibit: L-1

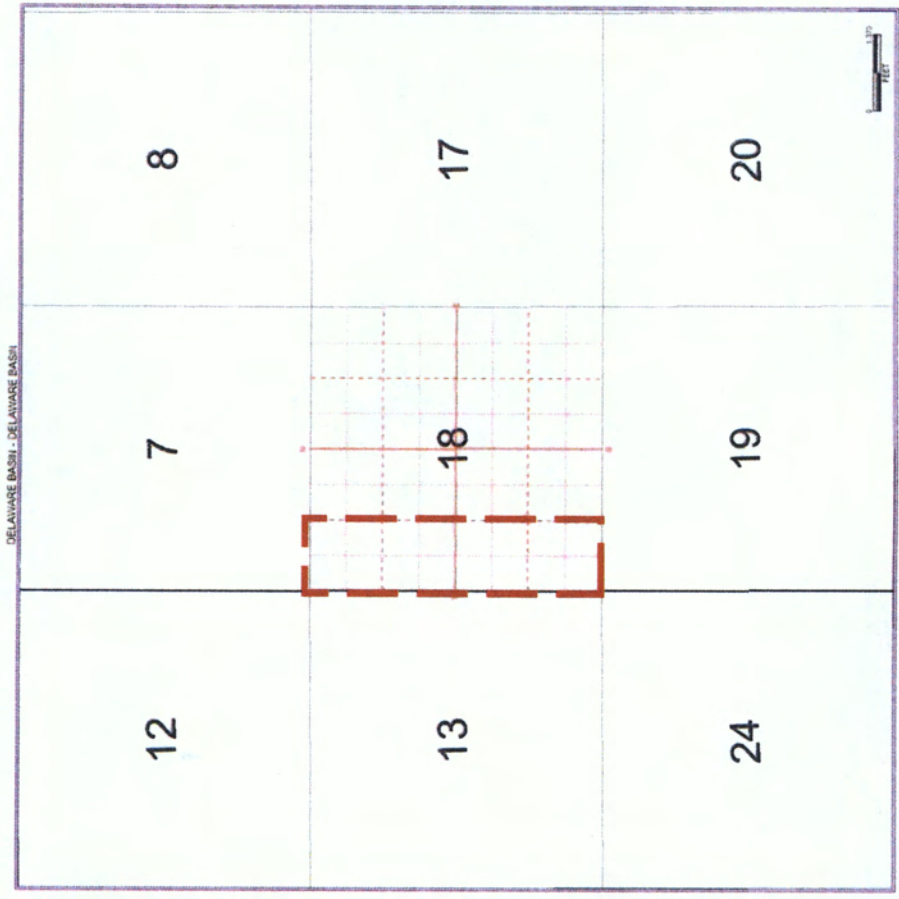
15949  
 15950  
 15951  
 15952

*2/8/18  
 HEARING*

Township 21 South, Range 33 East  
Section 18  
Lea County, NM



Pooling Unit  
Sec. 18: Lots 1, 2, 3, 4  
143.56 Gross Acres



Working Interest for:  
Sombbrero Fed Com #501H (Bone Spring Formation) 50.07%  
Sombbrero Fed Com #702H (Wolfcamp Formation) 37.45%  
Ascent Energy LLC: 12.48%  
COG Operating LLC: 100.00%  
EOG Resources Inc.:  
Total:

Exhibit: 62



Township 21 South, Range 33 East  
Section 18  
Lea County, NM



Pooling Unit  
Sec. 18: E2W2  
160.00 Gross Acres

Working Interest for:

Sombrero Fed Com #503H (Bone Spring Formation) 50.00%  
Sombrero Fed Com #701H (Wolfcamp Formation) 37.50%  
Ascent Energy LLC: 12.50%  
COG Operating LLC: 100.00%  
EOG Resources Inc.:  
Total:

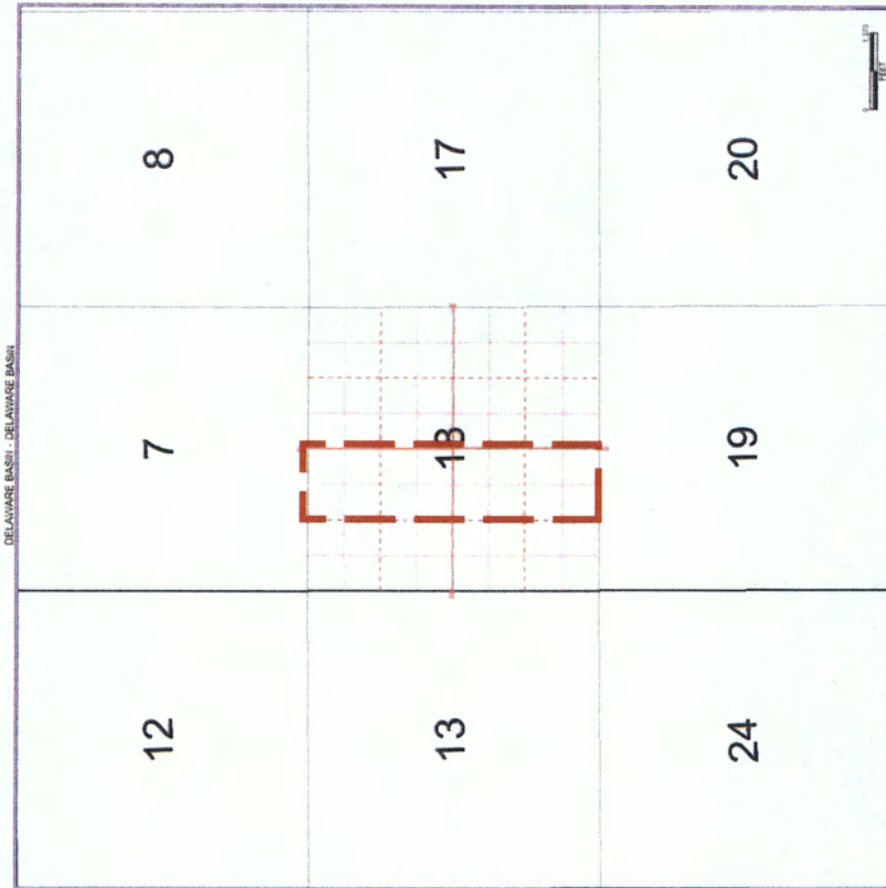


Exhibit:   L-3

Summary of Communications  
Sombbrero Wells  
COG Operating LLC

- 11/28/2016 – Emailed Offer to Purchase covering COG's interest in Sec. 18, T21S-R33E
- 10/4/2017 – Sent and emailed well proposal, AFE and draft JOA for Sombbrero Fed Com #701H
- 10/16/2017 – Mickie Goodwin signed proof of delivery of well proposal
- 10/30/2017 – Received written response that COG elects not to participate in the Sombbrero Fed Com #701H
- 12/12/2017 – Sent amendment of Contract Area and Working Interest to COG for the Sombbrero Fed Com #701H
- 12/12/2017 – Sent and emailed well proposals and AFEs for Sombbrero Fed Com #501H, Sombbrero Fed Com #503H, and Sombbrero Fed Com #702H
- 12/22/2017 – Provided answers to multiple questions regarding the JOA
- 1/10/2018 – Sent copies of the hearing notice for compulsory pooling
- 1/16/2018 – Spoke with COG Land Manager, Rita Buress, that COG is leaning to participate in the Sombbrero Fed Com #501H, Sombbrero Fed Com #503H, and Sombbrero Fed Com #702H and requested a complete Operating Agreements with Exhibits
- 1/17/2018 – Provided copies of the JOA and exhibits by email.
- 1/22/2018 – Followed up by phone with Rita Buress; we are negotiating the operating agreement.

Exhibit: L-4

Summary of Communications  
Sombbrero Wells  
EOG Resources Inc.

- 11/29/2016 – Emailed Offer to Purchase covering EOG's interest in Sec. 18, T21S-R33E
- 10/4/2017 – Sent and emailed well proposal, AFE and draft JOA for Sombbrero Fed Com #701H
- 10/11/2017 – Jimmy Whitehead signed the proof of delivery of well proposal
- 11/17/2017 – Emailed Chuck Moran, Landman, a couple acreage trade proposals
- 12/12/2017 – Sent amendment of Contract Area and Working Interest to EOG for the Sombbrero Fed Com #701H
- 12/12/2017 – Sent and emailed well proposals and AFEs for Sombbrero Fed Com #503H, Sombbrero Fed Com #702H
- 1/19/2018 – Spoke with Chuck Moran, Landman, to discuss the upcoming compulsory pooling hearings for Sombbrero Fed Com #701H, Sombbrero Fed Com #501H, Sombbrero Fed Com #503H, and Sombbrero Fed Com #702H.
- 1/19/2018 – Emailed Offer to Purchase covering EOG's interest in Sec. 18, T21S-R33E
- 1/22/2018 – Phone call with Chuck Moran to follow up on Ascent's offer. Chuck mentioned that it has been circulated. Expected to have an internal response soon.

Exhibit: 4-5



December 12, 2017

EOG Resources Inc.  
5509 Champions Drive  
Midland, TX 79706  
Attn: Mr. Clay Haggard

RE: Sombrero Fed Com #501H  
T21S-R33E  
Sec. 18: Lots 1-4  
143.56 Gross Acres, more or less  
Lea County, New Mexico

EXHIBIT L-6

Dear Working Interest Owner:

Ascent Energy, LLC ("Ascent") hereby proposes the drilling, completing and equipping the Sombrero Fed Com #501H well (the "Well") to test the Bone Spring formation at a landing vertical depth of 10,973' and a total measured depth of 15,840' ("Operation"). The estimated cost associated with the Operation is \$6,740,356, as outlined in the enclosed Authority for Expenditure dated December 12, 2017. Ascent's records indicate that EOG Resources Inc. ("EOG") owns a 12.48% working interest in the Well, and EOG's estimated costs associated with this Operation is approximately \$841,488.

The proposed surface location of the Well is 130' FSL & 515' FWL of Section 7, Township 21 South, Range 33 East with a proposed bottom hole location 330' FSL & 390' FWL of Section 18 Township 21 South, Range 33 East. Ascent reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. Ascent will advise you of any such modifications.

In addition, Ascent proposes the Operation under the terms of a modified 2015 Horizontal AAPL Forma 610 Operating Agreement ("OA") with the following basic terms.

- Contract Area consisting of Township 21 South, Range 33 East, Section 18: Lots 1, 2, 3, 4, with Ascent listed as Operator ("Contract Area")
- 100%/300%/300% non-consent penalties
- \$7,000.00/\$700.00 drilling and producing overhead rates

Please indicate your election in the Operation and return a signed copy within thirty (30) days of receipt of this notice to Ascent. If EOG is interested in selling its interest in the Contract Area, please contact the undersigned at your earliest convenience.

December 12, 2017  
Sombrero Fed Com #501H  
Page 2 of 2

Ascent looks forward to working with EOG on this matter and may file for compulsory pooling in the near future to pool any uncommitted working interest owners. If you have any questions or concerns, please do not hesitate to contact the undersigned at (720) 710-8923 or [lzink@ascentenergy.us](mailto:lzink@ascentenergy.us).

Very Truly Yours,



Lee Zink  
Land Manager  
Ascent Energy, LLC  
1621 18<sup>th</sup> Street, Suite 200  
Denver, CO 80202

Enclosure(s)

\_\_\_\_ EOG Resources Inc. hereby elects to participate in the proposed Operation by paying its proportionate share of the costs outlined on the Sombrero Fed Com #501H AFE.

\_\_\_\_ EOG Resources Inc. hereby elects not to participate in the proposed Operation.

Working Interest Owner:

EOG Resources Inc.

\_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_



December 12, 2017

COG Operating LLC  
600 W. Illinois Ave.  
Midland, TX 79701  
Attn: Outside Operated Properties

RE: Sombrero Fed Com #501H  
T21S-R33E  
Sec. 18: Lots 1-4  
143.56 Gross Acres, more or less  
Lea County, New Mexico

Dear Working Interest Owner:

Ascent Energy, LLC ("Ascent") hereby proposes the drilling, completing and equipping the Sombrero Fed Com #501H well (the "Well") to test the Bone Spring formation at a landing vertical depth of 10,973' and a total measured depth of 15,840' ("Operation"). The estimated cost associated with the Operation is \$6,740,356, as outlined in the enclosed Authority for Expenditure dated December 12, 2017. Ascent's records indicate that COG Operating LLC ("COG") owns a 37.45% working interest in the Well, and COG's estimated costs associated with this Operation is approximately \$2,524,464.

The proposed surface location of the Well is 130' FSL & 515' FWL of Section 7, Township 21 South, Range 33 East with a proposed bottom hole location 330' FSL & 390' FWL of Section 18 Township 21 South, Range 33 East. Ascent reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. Ascent will advise you of any such modifications.

In addition, Ascent proposes the Operation under the terms of a modified 2015 Horizontal AAPL Forma 610 Operating Agreement ("OA") with the following basic terms.

- Contract Area consisting of Township 21 South, Range 33 East, Section 18: Lots 1, 2, 3, 4, with Ascent listed as Operator ("Contract Area")
- 100%/300%/300% non-consent penalties
- \$7,000.00/\$700.00 drilling and producing overhead rates

Please indicate your election in the Operation and return a signed copy within thirty (30) days of receipt of this notice to Ascent. If COG is interested in selling its interest in the Contract Area, please contact the undersigned at your earliest convenience.



December 12, 2017  
Sombrero Fed Com #501H  
Page 2 of 2

Ascent looks forward to working with COG on this matter and may file for compulsory pooling in the near future to pool any uncommitted working interest owners. If you have any questions or concerns, please do not hesitate to contact the undersigned at (720) 710-8923 or [lzink@ascentenergy.us](mailto:lzink@ascentenergy.us).

Very Truly Yours,



Lee Zink  
Land Manager  
Ascent Energy, LLC  
1621 18<sup>th</sup> Street, Suite 200  
Denver, CO 80202

Enclosure(s)

\_\_\_\_ COG Operating LLC hereby elects to participate in the proposed Operation by paying its proportionate share of the costs outlined on the Sombrero Fed Com #501H AFE.

\_\_\_\_ COG Operating LLC hereby elects not to participate in the proposed Operation.

Working Interest Owner:

COG Operating LLC

\_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_



December 12, 2017

COG Operating LLC  
600 W. Illinois Ave.  
Midland, TX 79701  
Attn: Outside Operated Properties

RE: Sombrero Fed Com #503H  
T21S-R33E  
Sec. 18: Lots E2W2  
160.00 Gross Acres, more or less  
Lea County, New Mexico

Dear Working Interest Owner:

Ascent Energy, LLC ("Ascent") hereby proposes the drilling, completing and equipping the Sombrero Fed Com #503H well (the "Well") to test the Bone Spring formation at a landing vertical depth of 11,025' and a total measured depth of 16,470' ("Operation"). The estimated cost associated with the Operation is \$6,741,626, as outlined in the enclosed Authority for Expenditure dated December 12, 2017. Ascent's records indicate that COG Operating LLC ("COG") owns a 37.50% working interest in the Well, and COG's estimated costs associated with this Operation is approximately \$2,528,110.

The proposed surface location of the Well is 684' FSL & 2,202' FWL of Section 7, Township 21 South, Range 33 East with a proposed bottom hole location 330' FSL & 2,145' FWL of Section 18 Township 21 South, Range 33 East. Ascent reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. Ascent will advise you of any such modifications.

In addition, Ascent proposes the Operation under the terms of a modified 2015 Horizontal AAPL Forma 610 Operating Agreement ("OA") with the following basic terms.

- Contract Area consisting of Township 21 South, Range 33 East, Section 18: Lots E2W2, with Ascent listed as Operator ("Contract Area")
- 100%/300%/300% non-consent penalties
- \$7,000.00/\$700.00 drilling and producing overhead rates

Please indicate your election in the Operation and return a signed copy within thirty (30) days of receipt of this notice to Ascent. If COG is interested in selling its interest in the Contract Area, please contact the undersigned at your earliest convenience.

December 12, 2017  
Sombrero Fed Com #503H  
Page 2 of 2

Ascent looks forward to working with COG on this matter and may file for compulsory pooling in the near future to pool any uncommitted working interest owners. If you have any questions or concerns, please do not hesitate to contact the undersigned at (720) 710-8923 or [lzink@ascentenergy.us](mailto:lzink@ascentenergy.us).

Very Truly Yours,



Lee Zink  
Land Manager  
Ascent Energy, LLC  
1621 18<sup>th</sup> Street, Suite 200  
Denver, CO 80202

Enclosure(s)

\_\_\_\_ COG Operating LLC hereby elects to participate in the proposed Operation by paying its proportionate share of the costs outlined on the Sombrero Fed Com #503H AFE.

\_\_\_\_ COG Operating LLC hereby elects not to participate in the proposed Operation.

Working Interest Owner:

COG Operating LLC

\_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_



December 12, 2017

EOG Resources Inc.  
5509 Champions Drive  
Midland, TX 79706  
Attn: Mr. Clay Haggard

RE: Sombrero Fed Com #503H  
T21S-R33E  
Sec. 18: E2W2  
160.00 Gross Acres, more or less  
Lea County, New Mexico

Dear Working Interest Owner:

Ascent Energy, LLC ("Ascent") hereby proposes the drilling, completing and equipping the Sombrero Fed Com #503H well (the "Well") to test the Bone Spring formation at a landing vertical depth of 11,025' and a total measured depth of 16,470' ("Operation"). The estimated cost associated with the Operation is \$6,741,626, as outlined in the enclosed Authority for Expenditure dated December 12, 2017. Ascent's records indicate that EOG Resources Inc. ("EOG") owns a 12.50% working interest in the Well, and EOG's estimated costs associated with this Operation is approximately \$842,703.

The proposed surface location of the Well is 684' FSL & 2,202' FWL of Section 7, Township 21 South, Range 33 East with a proposed bottom hole location 330' FSL & 2,145' FWL of Section 18 Township 21 South, Range 33 East. Ascent reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. Ascent will advise you of any such modifications.

In addition, Ascent proposes the Operation under the terms of a modified 2015 Horizontal AAPL Forma 610 Operating Agreement ("OA") with the following basic terms.

- Contract Area consisting of Township 21 South, Range 33 East, Section 18: E2W2, with Ascent listed as Operator ("Contract Area")
- 100%/300%/300% non-consent penalties
- \$7,000.00/\$700.00 drilling and producing overhead rates

Please indicate your election in the Operation and return a signed copy within thirty (30) days of receipt of this notice to Ascent. If EOG is interested in selling its interest in the Contract Area, please contact the undersigned at your earliest convenience.

December 12, 2017  
Sombrero Fed Com #503H  
Page 2 of 2

Ascent looks forward to working with EOG on this matter and may file for compulsory pooling in the near future to pool any uncommitted working interest owners. If you have any questions or concerns, please do not hesitate to contact the undersigned at (720) 710-8923 or [lzink@ascentenergy.us](mailto:lzink@ascentenergy.us).

Very Truly Yours,



Lee Zink  
Land Manager  
Ascent Energy, LLC  
1621 18<sup>th</sup> Street, Suite 200  
Denver, CO 80202

Enclosure(s)

\_\_\_\_ EOG Resources Inc. hereby elects to participate in the proposed Operation by paying its proportionate share of the costs outlined on the Sombrero Fed Com #503H AFE.

\_\_\_\_ EOG Resources Inc. hereby elects not to participate in the proposed Operation.

Working Interest Owner:

EOG Resources Inc.

\_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_





October 4, 2017

COG Operating LLC  
600 W. Illinois Ave.  
Midland, TX 79701  
Attn: Mr. Sean Johnson

RE: Sombrero Fed Com #701H  
T21S-R33E  
Sec. 18: Lots 1-4, E2W2  
303.56 Gross Acres, more or less  
Lea County, New Mexico

Dear Working Interest Owner:

Ascent Energy, LLC ("Ascent") hereby proposes the drilling, completing and equipping the Sombrero Fed Com #701H well (the "Well") to test the Wolfcamp formation at a total vertical depth of 12,040' and a total measured depth of 17,372' ("Operation"). The estimated cost associated with the Operation is \$7,362,643, as outlined in the enclosed Authority for Expenditure dated September 15, 2017. Ascent's records indicate that COG Operating LLC ("COG") owns a 37.48% working interest in the Well, and COG's estimated costs associated with this Operation is approximately \$2,759,353.

The proposed surface location of the Well is 684' FSL & 2,227' FWL of Section 7, Township 21 South, Range 33 East with a proposed bottom hole location 330' FSL & 2,104' FWL of Section 18 Township 21 South, Range 33 East. Ascent reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. Ascent will advise you of any such modifications.

In addition, Ascent proposes the Operation under the terms of a modified 2015 Horizontal AAPL Forma 610 Operating Agreement ("OA") with the following basic terms.

- Contract Area consisting of Township 21 South, Range 33 East, Section 18: Lots 1, 2, 3, 4, E2W2, with Ascent listed as Operator ("Contract Area")
- 100%/300%/300% non-consent penalties
- \$7,000.00/\$700.00 drilling and producing overhead rates

Please indicate your election in the Operation and return a signed copy within thirty (30) days of receipt of this notice to Ascent. If COG is interested in selling its interest in the Contract Area, please contact the undersigned at your earliest convenience.

October 4, 2017  
Sombrero Fed Com #701H  
Page 2 of 2

Ascent looks forward to working with COG on this matter and may file for compulsory pooling in the near future to pool any uncommitted working interest owners. If you have any questions or concerns, please do not hesitate to contact the undersigned at (720) 710-8923 or [lzink@ascentenergy.us](mailto:lzink@ascentenergy.us).

Very Truly Yours,



Lee Zink  
Land Manager  
Ascent Energy, LLC  
1621 18<sup>th</sup> Street, Suite 200  
Denver, CO 80202

Enclosure(s)

\_\_\_ COG Operating LLC hereby elects to participate in the proposed Operation by paying its proportionate share of the costs outlined on the Sombrero Fed Com #701H AFE.

\_\_\_ COG Operating LLC hereby elects not to participate in the proposed Operation.

Working Interest Owner:

COG Operating LLC

\_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_



October 4, 2017

EOG Resources Inc.  
PO Box 4362  
Houston, TX 77210  
Attn: Mr. Chuck Moran

RE: Sombrero Fed Com #701H  
T21S-R33E  
Sec. 18: Lots 1-4, E2W2  
303.56 Gross Acres, more or less  
Lea County, New Mexico

Dear Working Interest Owner:

Ascent Energy, LLC ("Ascent") hereby proposes the drilling, completing and equipping the Sombrero Fed Com #701H well (the "Well") to test the Wolfcamp formation at a total vertical depth of 12,040' and a total measured depth of 17,372' ("Operation"). The estimated cost associated with the Operation is \$7,362,643, as outlined in the enclosed Authority for Expenditure dated September 15, 2017. Ascent's records indicate that EOG Resources Inc. ("EOG") owns a 12.49% working interest in the Well, and EOG's estimated costs associated with this Operation is approximately \$919,784.

The proposed surface location of the Well is 684' FSL & 2,227' FWL of Section 7, Township 21 South, Range 33 East with a proposed bottom hole location 330' FSL & 2,104' FWL of Section 18 Township 21 South, Range 33 East. Ascent reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. Ascent will advise you of any such modifications.

In addition, Ascent proposes the Operation under the terms of a modified 2015 Horizontal AAPL Forma 610 Operating Agreement ("OA") with the following basic terms.

- Contract Area consisting of Township 21 South, Range 33 East, Section 18: Lots 1, 2, 3, 4, E2W2, with Ascent listed as Operator ("Contract Area")
- 100%/300%/300% non-consent penalties
- \$7,000.00/\$700.00 drilling and producing overhead rates

Please indicate your election in the Operation and return a signed copy within thirty (30) days of receipt of this notice to Ascent. If EOG is interested in selling its interest in the Contract Area, please contact the undersigned at your earliest convenience.

October 4, 2017  
Sombrero Fed Com #701H  
Page 2 of 2

Ascent looks forward to working with EOG on this matter and may file for compulsory pooling in the near future to pool any uncommitted working interest owners. If you have any questions or concerns, please do not hesitate to contact the undersigned at (720) 710-8923 or [lzink@ascentenergy.us](mailto:lzink@ascentenergy.us).

Very Truly Yours,



Lee Zink  
Land Manager  
Ascent Energy, LLC  
1621 18<sup>th</sup> Street, Suite 200  
Denver, CO 80202

Enclosure(s)

\_\_\_ EOG Resources Inc. hereby elects to participate in the proposed Operation by paying its proportionate share of the costs outlined on the Sombrero Fed Com #701H AFE.

\_\_\_ EOG Resources Inc. hereby elects not to participate in the proposed Operation.

Working Interest Owner:

EOG Resources Inc.

\_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_



December 12, 2017

EOG Resources Inc.  
5509 Champions Drive  
Midland, TX 79706  
Attn: Mr. Clay Haggard

RE: Amendment to Contract Area  
Sombbrero Fed Com #701H  
T21S-R33E  
Sec. 18: E2W2  
160.00 Gross Acres, more or less  
Lea County, New Mexico

Dear Working Interest Owner:

Reference is made to the Sombbrero Fed Com #701H well proposal dated October 4, 2017, by Ascent Energy, LLC ("Ascent") ("Original Proposal"). Ascent hereby revises the Original Proposal to amend the Contract Area and Working Interest as follows:

Contract Area

The Contract Area from the Original Proposal is hereby stricken and replaced as Township 21 South, Range 33 East, Section 18: E2W2, covering 160 acres, with Ascent listed as Operator ("Revised Contract Area").

Working Interest

The Working Interest for the Revised Contract Area is 12.50%; therefore COG's estimated costs associated with this Operation is now approximately \$920,330.

All other terms and dates of the Original Proposal remained unchanged. If you have any questions or concerns, please do not hesitate to contact the undersigned at (720) 710-8923 or [lzink@ascentenergy.us](mailto:lzink@ascentenergy.us).

Very Truly Yours,

Lee Zink  
Land Manager





December 12, 2017

COG Operating LLC  
600 W. Illinois Ave.  
Midland, TX 79701  
Attn: Outside Operated Properties

RE: Amendment to Contract Area  
Sombbrero Fed Com #701H  
T21S-R33E  
Sec. 18: E2W2  
160.00 Gross Acres, more or less  
Lea County, New Mexico

Dear Working Interest Owner:

Reference is made to the Sombbrero Fed Com #701H well proposal dated October 4, 2017, by Ascent Energy, LLC ("Ascent") ("Original Proposal"). Ascent hereby revises the Original Proposal to amend the Contract Area and Working Interest as follows:

Contract Area

The Contract Area from the Original Proposal is hereby stricken and replaced as Township 21 South, Range 33 East, Section 18: E2W2, covering 160 acres, with Ascent listed as Operator ("Revised Contract Area").

Working Interest

The Working Interest for the Revised Contract Area is 37.50%; therefore COG's estimated costs associated with this Operation is now approximately \$2,760,991.

All other terms and dates of the Original Proposal remained unchanged. If you have any questions or concerns, please do not hesitate to contact the undersigned at (720) 710-8923 or [lzink@ascentenergy.us](mailto:lzink@ascentenergy.us).

Very Truly Yours,

Lee Zink  
Land Manager  
Ascent Energy, LLC



December 12, 2017

COG Operating LLC  
600 W. Illinois Ave.  
Midland, TX 79701  
Attn: Outside Operated Properties

RE: Sombrero Fed Com #702H  
T21S-R33E  
Sec. 18: Lots 1-4  
143.56 Gross Acres, more or less  
Lea County, New Mexico

Dear Working Interest Owner:

Ascent Energy, LLC ("Ascent") hereby proposes the drilling, completing and equipping the Sombrero Fed Com #702H well (the "Well") to test the Wolfcamp formation at a landing vertical depth of 11,840 and a total measured depth of 16,707 ("Operation"). The estimated cost associated with the Operation is \$7,360,949, as outlined in the enclosed Authority for Expenditure dated December 12, 2017. Ascent's records indicate that COG Operating LLC ("COG") owns a 37.45% working interest in the Well, and COG's estimated costs associated with this Operation is approximately \$2,756,895.

The proposed surface location of the Well is 130' FSL & 490' FWL of Section 7, Township 21 South, Range 33 East with a proposed bottom hole location 330' FSL & 365 FWL of Section 18 Township 21 South, Range 33 East. Ascent reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. Ascent will advise you of any such modifications.

In addition, Ascent proposes the Operation under the terms of a modified 2015 Horizontal AAPL Forma 610 Operating Agreement ("OA") with the following basic terms.

- Contract Area consisting of Township 21 South, Range 33 East, Section 18: Lots 1, 2, 3, 4, with Ascent listed as Operator ("Contract Area")
- 100%/300%/300% non-consent penalties
- \$7,000.00/\$700.00 drilling and producing overhead rates

Please indicate your election in the Operation and return a signed copy within thirty (30) days of receipt of this notice to Ascent. If COG is interested in selling its interest in the Contract Area, please contact the undersigned at your earliest convenience.

December 12, 2017  
Sombrero Fed Com #702H  
Page 2 of 2

Ascent looks forward to working with COG on this matter and may file for compulsory pooling in the near future to pool any uncommitted working interest owners. If you have any questions or concerns, please do not hesitate to contact the undersigned at (720) 710-8923 or [lzink@ascentenergy.us](mailto:lzink@ascentenergy.us).

Very Truly Yours,



Lee Zink  
Land Manager  
Ascent Energy, LLC  
1621 18<sup>th</sup> Street, Suite 200  
Denver, CO 80202

Enclosure(s)

\_\_\_ COG Operating LLC hereby elects to participate in the proposed Operation by paying its proportionate share of the costs outlined on the Sombrero Fed Com #702H AFE.

\_\_\_ COG Operating LLC hereby elects not to participate in the proposed Operation.

Working Interest Owner:

COG Operating LLC

\_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_



December 12, 2017

EOG Resources Inc.  
5509 Champions Drive  
Midland, TX 79706  
Attn: Mr. Clay Haggard

RE: Sombrero Fed Com #702H  
T21S-R33E  
Sec. 18: Lots 1-4  
143.56 Gross Acres, more or less  
Lea County, New Mexico

Dear Working Interest Owner:

Ascent Energy, LLC ("Ascent") hereby proposes the drilling, completing and equipping the Sombrero Fed Com #702H well (the "Well") to test the Wolfcamp formation at a landing vertical depth of 11,840' and a total measured depth of 16,707' ("Operation"). The estimated cost associated with the Operation is \$7,360,949, as outlined in the enclosed Authority for Expenditure dated December 12, 2017. Ascent's records indicate that EOG Resources Inc. ("EOG") owns a 12.48% working interest in the Well, and EOG's estimated costs associated with this Operation is approximately \$918,965.

The proposed surface location of the Well is 130' FSL & 490' FWL of Section 7, Township 21 South, Range 33 East with a proposed bottom hole location 330' FSL & 365' FWL of Section 18 Township 21 South, Range 33 East. Ascent reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. Ascent will advise you of any such modifications.

In addition, Ascent proposes the Operation under the terms of a modified 2015 Horizontal AAPL Forma 610 Operating Agreement ("OA") with the following basic terms.

- Contract Area consisting of Township 21 South, Range 33 East, Section 18: Lots 1, 2, 3, 4, with Ascent listed as Operator ("Contract Area")
- 100%/300%/300% non-consent penalties
- \$7,000.00/\$700.00 drilling and producing overhead rates

Please indicate your election in the Operation and return a signed copy within thirty (30) days of receipt of this notice to Ascent. If EOG is interested in selling its interest in the Contract Area, please contact the undersigned at your earliest convenience.

December 12, 2017  
Sombrero Fed Com #702H  
Page 2 of 2

Ascent looks forward to working with EOG on this matter and may file for compulsory pooling in the near future to pool any uncommitted working interest owners. If you have any questions or concerns, please do not hesitate to contact the undersigned at (720) 710-8923 or [lzink@ascentenergy.us](mailto:lzink@ascentenergy.us).

Very Truly Yours,



Lee Zink  
Land Manager  
Ascent Energy, LLC  
1621 18<sup>th</sup> Street, Suite 200  
Denver, CO 80202

Enclosure(s)

\_\_\_\_ EOG Resources Inc. hereby elects to participate in the proposed Operation by paying its proportionate share of the costs outlined on the Sombrero Fed Com #702H AFE.

\_\_\_\_ EOG Resources Inc. hereby elects not to participate in the proposed Operation.

Working Interest Owner:

EOG Resources Inc.

\_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_



# Ascent Energy, LLC

## ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE (AFE)

COST CENTER Sombrero Fed COM #501H BUD YEAR 2018 DATE December 12, 2017  
 AFE NO. \_\_\_\_\_ CATEGORY D&C SUPPLEMENT NO. \_\_\_\_\_  
 FIELD Hat Mesa REGION Delaware Basin LEGAL: 21S 33E  
 OPERATOR Ascent Energy, LLC WELL NO. 501H W.I. \_\_\_\_\_  
 OBJECTIVE 2nd Bone Spring STATE NM MD/TVD +/-15,900'/11,000'  
 ESTIMATED PROJECT START DATE: 2Q2018

DESCRIPTION: Drill a 4600' lateral in the 2nd Bone Spring and frac with 33 stages. Assumes 4 string design.

### INTANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	TOTAL WELL COST
8305 101	Location Cleanup & Damages			\$145,000	\$145,000
8305 102	Rig Move - MIRU, RDMO			\$100,000	100,000
8305 103	Rig Contractor-Daywork/FT	\$15,500	25	\$387,500	387,500
8305 104	Rig Contractor-Turnkey				0
8305 105	Power & Fuel			\$110,000	110,000
8305 106	Drill Fluids & Chemicals			\$85,000	85,000
8305 107	Bits, Reamer, Stabilizers			\$85,000	85,000
8305 108	Cement & Cementing Services			\$165,000	165,000
8305 109	Mud Logging			\$44,000	44,000
8305 110	Open Hole Logging			\$30,000	30,000
8305 111	Csg Crews & Tools			\$70,000	70,000
8305 112	Directional Tools & Service			\$210,000	210,000
8305 114	Form Eval - Well Testing DST - Coring, Sampling				0
8305 115	Tubular Inspection			\$20,000	20,000
8305 116	Equipment Rentals			\$300,000	300,000
8305 117	Contract Labor & Services			\$100,000	100,000
8305 118	Wellsite Consultants	\$ 2,000	50	\$100,000	100,000
8305 119	Company Supervision & Labor				0
8305 120	Transportation			\$15,000	15,000
8305 121	Mud Cuttings & Water Disposal			\$50,000	50,000
8305 122	Insurance	1.9243	15,900	\$30,596	30,596
8305 123	Overhead			\$25,000	25,000
8305 124	Water & Water Well			\$25,000	25,000
8305 125	Unanticipated MtrExp (Fishing)				0
8305 126	Legal			\$50,000	50,000
8305 127	Outside Operated Other				0
8305 128	Permits			\$10,000	10,000
8305 129	Environmental & Safety			\$20,000	20,000
8305 130	Plugging				0
	SUBTOTAL			\$2,177,096	\$2,177,096
8305 199	CONTINGENCY (%) 10.00%			217,710	217,710
	SUB-TOTAL INTANGIBLE DRILLING COSTS			\$2,394,806	\$2,394,806

### INTANGIBLE COMPLETION COSTS

ACCT.	DESCRIPTION	Rate	Units	COMPLETION	TOTAL WELL COST
8306 201	Location & Cleanup			\$10,000	\$10,000
8306 202	Power & Fuel			10,000	10,000
8306 203	Compl Fluids & Chemicals			45,000	45,000
8306 204	Bits, Reamer, Stabilizers				0
8306 205	Cement & Cementing Svcs				0
8306 206	Logging & Perforation Svcs			159,000	159,000
8306 207	Csg Crews & Tools-Drive Hammer				0
8306 208	Directional Tools & Svcs				0
8306 209	Formation Stimuln Acid Frac			1,900,000	1,900,000
8306 210	Formation Evaluation				0
8306 211	Tubular Inspection				0
8306 212	Equipment Rentals			165,000	165,000
8306 213	Contract Labor & Services				0
8306 214	Wellsite Consultant	\$ -	0	43,500	43,500
8306 215	Company Supervision & Labor				0
8306 216	Transportation			20,000	20,000
8306 217	Mud Cuttings & Water Disposal			15,000	15,000
8306 218	Insurance				0
8306 219	Overhead				0
8306 220	Water & Water Well			313,500	313,500
8306 221	Unanticipated MtrExp Fishing				0
8306 222	Coil Tubing Services			63,500	63,500
8306 223	Misc Supplies & Materials			35,000	35,000
8306 224	Flowback Testing			76,500	76,500
8306 225	Legal & Permits			5,000	5,000
8306 226	Environmental & Safety Costs				0
8306 227	Plugging				0
8306 228	Completion Rig	\$ -	0	30,000	30,000
	SUBTOTAL			\$2,891,000	\$2,891,000
8306 299	CONTINGENCY (%) 5.00%			144,550	144,550
	SUB-TOTAL INTANGIBLE COMPLETION COSTS			\$3,035,550	\$3,035,550
	SUB-TOTAL INTANGIBLE COSTS			\$2,394,806	\$3,035,550
					\$5,430,356

### TANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	TOTAL WELL COST
8308 301	Drive Pipe Conductor Casing	\$ -	0	\$20,000	\$20,000
8308 302	Surface Casing	\$ -	0	\$50,000	50,000
8308 303	Intermediate Casing	\$ -	0	\$125,000	125,000
8308 304	Liner Casing	\$ -	0	\$150,000	150,000
8308 305	Subs Flt Eopt Centralizers Etc				0
8308 306	Casinghead Drilling Spool			\$60,000	60,000
8308 307	Sub Surface Equipment				0
8308 308	Outside Operated Other				0
	SUB-TOTAL TANGIBLE DRILLING COSTS			\$405,000	\$405,000

EXHIBIT L-7



TANGIBLE COMPLETION COSTS						
ACCT.	DESCRIPTION	Rate	Units		COMPLETION	TOTAL WELL COST
8309 401	Production Casing	\$ -	0		250,000	\$250,000
8309 402	Tubing	\$ -	0		40,000	40,000
8309 403	Subs Flt Eopt Centralizers Etc					0
8309 404	Sub Surface Equipment				30,000	30,000
8309 405	Xmas Tree Upper Section				60,000	60,000
8309 406	Outside Operated Other					0
SUB-TOTAL TANGIBLE COMPLETION COSTS					\$380,000	\$380,000
SUB-TOTAL TANGIBLE COSTS					\$405,000	\$785,000
SUB-TOTAL INTANGIBLE & TANGIBLE COSTS					\$2,799,806	\$6,215,356

PRODUCTION EQUIPMENT COSTS						
					COMPLETION	TOTAL WELL COST
8311 501	Artificial Lift Equipment				\$15,000	\$15,000
8311 502	Prime Mover Electric Gas					0
8311 503	Sales Gathering Line					0
8311 504	Separation Equipment				50,000	50,000
8311 505	Oil Treating Heating Equipment					0
8311 506	Gas Treating Dehy Equipment					0
8311 507	Tanks				70,000	70,000
8311 508	Meters				55,000	55,000
8311 509	Electrical Equip Install				20,000	20,000
8311 510	Compressor					0
8311 511	Flowlines				50,000	50,000
8311 512	Labor				130,000	130,000
8311 513	Trucks Hauling Transportation					0
8311 514	Buildings					0
8311 515	Roads & Locations				10,000	10,000
8311 516	Manifolds & Headers				15,000	15,000
8311 517	Chemical Injection System					0
8311 518	Piping & Valves				50,000	50,000
8311 519	Welding					0
8311 520	Surface Pumps				5,000	5,000
8311 521	Filters					0
8311 522	Outside Operated Other					0
8311 523	Environmental & Safety				10,000	10,000
8311 524	Engineering Supervision				30,000	30,000
8311 525	Surface Facilities				15,000	15,000
SUB-TOTAL PRODUCTION EQUIPMENT					\$525,000	\$525,000
SUB-TOTAL INTANGIBLE COSTS (PAGE 1)					\$2,394,806	\$5,430,356
SUB-TOTAL TANGIBLE COSTS (PAGE 2)					\$405,000	\$785,000
GRAND TOTAL					\$2,799,806	\$6,740,356
LESS OUTSIDE INTERESTS					\$2,799,806	\$3,940,550
TOTAL NET COSTS					\$0	\$0

Notice to Nonoperator: Costs shown on this form are estimates only. Nonoperators should not consider these estimates as establishing any limit on monies which will be required to perform the proposed operation.

PREPARED BY		DATE	
APPROVED		DATE	
APPROVED		DATE	
APPROVED		DATE	

GROSS AFE AMOUNT - DRY HOLE	\$2,799,806
NET DRYHOLE AFE AMOUNT	\$0
NET ASSET TRANSFERS	\$0
CASH OUTLAY THIS AFE	\$0
PREVIOUS AFE'S ISSUED	\$0
TOTAL CASH OUTLAY	\$0

WORKING INTEREST APPROVAL			
COMPANY	WORKING INTEREST	APPROVED BY	DATE



# Ascent Energy, LLC

## ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE (AFE)

COST CENTER Sombrero Fed COM #503H BUD YEAR 2018 DATE December 12, 2017  
 AFE NO. \_\_\_\_\_ CATEGORY D&C SUPPLEMENT NO. \_\_\_\_\_  
 FIELD Hat Mesa REGION Delaware Basin LEGAL: 21S 33E  
 OPERATOR Ascent Energy, LLC WELL NO. 503H W.I. \_\_\_\_\_  
 OBJECTIVE 2nd Bone Spring STATE NM MD/TVD +/-16,500'/11,000'

ESTIMATED PROJECT START DATE: 2Q2018

DESCRIPTION: Drill a 4600' lateral in the 2nd Bone Spring and frac with 33 stages. Assumes 4 string design.

### INTANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	TOTAL WELL COST
8305 101	Location Cleanup & Damages			\$145,000	\$145,000
8305 102	Rig Move - MIRU, RDMO			\$100,000	100,000
8305 102	Rig Contractor-Daywork/FT	\$15,500	25	\$387,500	387,500
8305 104	Rig Contractor-Turnkey				0
8305 105	Power & Fuel			\$110,000	110,000
8305 106	Drill Fluids & Chemicals			\$85,000	85,000
8305 107	Bits, Reamer, Stabilizers			\$85,000	85,000
8305 108	Cement & Cementing Services			\$165,000	165,000
8305 109	Mud Logging			\$44,000	44,000
8305 110	Open Hole Logging			\$30,000	30,000
8305 111	Csg Crews & Tools			\$70,000	70,000
8305 112	Directional Tools & Service			\$210,000	210,000
8305 114	Form Eval - Well Testing DST - Coring, Sampling				0
8305 115	Tubular Inspection			\$20,000	20,000
8305 116	Equipment Rentals			\$300,000	300,000
8305 117	Contract Labor & Services			\$100,000	100,000
8305 118	Wellsite Consultants	\$ 2,000	50	\$100,000	100,000
8305 119	Company Supervision & Labor				0
8305 120	Transportation			\$15,000	15,000
8305 121	Mud Cuttings & Water Disposal			\$50,000	50,000
8305 122	Insurance	1.9243	16,500	\$31,751	31,751
8305 123	Overhead			\$25,000	25,000
8305 124	Water & Water Well			\$25,000	25,000
8305 125	Unanticipated MirExp (Fishing)				0
8305 126	Legal			\$50,000	50,000
8305 127	Outside Operated Other				0
8305 128	Permits			\$10,000	10,000
8305 129	Environmental & Safety			\$20,000	20,000
8305 130	Plugging				0
	SUBTOTAL			\$2,178,251	\$2,178,251
8305 199	CONTINGENCY (%) 10.00%			217,825	217,825
	SUB-TOTAL INTANGIBLE DRILLING COSTS			\$2,396,076	\$2,396,076

### INTANGIBLE COMPLETION COSTS

ACCT.	DESCRIPTION	Rate	Units	COMPLETION	TOTAL WELL COST
8306 201	Location & Cleanup			\$10,000	\$10,000
8306 202	Power & Fuel			10,000	10,000
8306 203	Comp Fluids & Chemicals			45,000	45,000
8306 204	Bits, Reamer, Stabilizers				0
8306 205	Cement & Cementing Svcs				0
8306 206	Logging & Perforation Svcs			159,000	159,000
8306 207	Csg Crews & Tools-Drive Hammer				0
8306 208	Directional Tools & Svcs				0
8306 209	Formation Stimuln Acid Frac			1,900,000	1,900,000
8306 210	Formation Evaluation				0
8306 211	Tubular Inspection				0
8306 212	Equipment Rentals			165,000	165,000
8306 213	Contract Labor & Services				0
8306 214	Wellsite Consultant	\$ -	0	43,500	43,500
8306 215	Company Supervision & Labor				0
8306 216	Transportation			20,000	20,000
8306 217	Mud Cuttings & Water Disposal			15,000	15,000
8306 218	Insurance				0
8306 219	Overhead				0
8306 220	Water & Water Well			313,500	313,500
8306 221	Unanticipated MirExp Fishing				0
8306 222	Coil Tubing Services			63,500	63,500
8306 223	Misc Supplies & Materials			35,000	35,000
8306 224	Flowback Testing			76,500	76,500
8306 225	Legal & Permits			5,000	5,000
8306 226	Environmental & Safety Costs				0
8306 227	Plugging				0
8306 228	Completion Rig	\$ -	0	30,000	30,000
	SUBTOTAL			\$2,891,000	\$2,891,000
8306 299	CONTINGENCY (%) 5.00%			144,550	144,550
	SUB-TOTAL INTANGIBLE COMPLETION COSTS			\$3,035,550	\$3,035,550
	SUB-TOTAL INTANGIBLE COSTS			\$2,396,076	\$3,035,550
					\$5,431,626

### TANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	TOTAL WELL COST
8308 301	Drive Pipe Conductor Casing	\$ -	0	\$20,000	\$20,000
8308 302	Surface Casing	\$ -	0	\$50,000	50,000
8308 303	Intermediate Casing	\$ -	0	\$125,000	125,000
8308 304	Liner Casing	\$ -	0	\$150,000	150,000
8308 305	Subs Flt Eopt Centralizers Etc				0
8308 306	Casinghead Drilling Spool			\$60,000	60,000
8308 307	Sub Surface Equipment				0
8308 308	Outside Operated Other				0
	SUB-TOTAL TANGIBLE DRILLING COSTS			\$405,000	\$405,000

EXHIBIT 6-8



TANGIBLE COMPLETION COSTS						
ACCT.	DESCRIPTION	Rate	Units		COMPLETION	TOTAL WELL COST
8309 401	Production Casing	\$ -	0		250,000	\$250,000
8309 402	Tubing	\$ -	0		40,000	40,000
8309 403	Subs Fit Eqpt Centralizers Etc					0
8309 404	Sub Surface Equipment				30,000	30,000
8309 405	Xmas Tree Upper Section				60,000	60,000
8309 406	Outside Operated Other					0
SUB-TOTAL TANGIBLE COMPLETION COSTS					\$380,000	\$380,000
SUB-TOTAL TANGIBLE COSTS					\$405,000	\$785,000
SUB-TOTAL INTANGIBLE & TANGIBLE COSTS					\$2,801,076	\$3,415,550

PRODUCTION EQUIPMENT COSTS						
					COMPLETION	TOTAL WELL COST
8311 501	Artificial Lift Equipment				\$15,000	\$15,000
8311 502	Prime Mover Electric Gas					0
8311 503	Sales Gathering Line					0
8311 504	Separation Equipment				50,000	50,000
8311 505	Oil Treating Heating Equipment					0
8311 506	Gas Treating Dehy Equipment					0
8311 507	Tanks				70,000	70,000
8311 508	Meters				55,000	55,000
8311 509	Electrical Equip Install				20,000	20,000
8311 510	Compressor					0
8311 511	Flowlines				50,000	50,000
8311 512	Labor				130,000	130,000
8311 513	Trucks Hauling Transportation					0
8311 514	Buildings					0
8311 515	Roads & Locations				10,000	10,000
8311 516	Manifolds & Headers				15,000	15,000
8311 517	Chemical Injection System					0
8311 518	Piping & Valves				50,000	50,000
8311 519	Welding					0
8311 520	Surface Pumps				5,000	5,000
8311 521	Filters					0
8311 522	Outside Operated Other					0
8311 523	Environmental & Safety				10,000	10,000
8311 524	Engineering Supervision				30,000	30,000
8311 525	Surface Facilities				15,000	15,000
SUB-TOTAL PRODUCTION EQUIPMENT					\$525,000	\$525,000
SUB-TOTAL INTANGIBLE COSTS (PAGE 1)					\$2,396,076	\$5,431,626
SUB-TOTAL TANGIBLE COSTS (PAGE 2)					\$405,000	\$785,000
GRAND TOTAL					\$2,801,076	\$6,741,626
LESS OUTSIDE INTERESTS					\$2,801,076	\$3,940,550
TOTAL NET COSTS					\$0	\$0

Notice to Nonoperator: Costs shown on this form are estimates only. Nonoperators should not consider these estimates as establishing any limit on monies which will be required to perform the proposed operation.

PREPARED BY	DATE
APPROVED	DATE
APPROVED	DATE
APPROVED	DATE

GROSS AFE AMOUNT - DRY HOLE	\$2,801,076
NET DRYHOLE AFE AMOUNT	\$0
NET ASSET TRANSFERS	\$0
CASH OUTLAY THIS AFE	\$0
PREVIOUS AFE'S ISSUED	\$0
TOTAL CASH OUTLAY	\$0

WORKING INTEREST APPROVAL			
COMPANY	WORKING INTEREST	APPROVED BY	DATE



# Ascent Energy, LLC

## ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE (AFE)

COST CENTER	<b>Sombrero Fed COM #701H</b>	BUD YEAR	<b>2018</b>	DATE	<b>September 15, 2017</b>
AFE NO.	<b>NM100003</b>	CATEGORY	<b>D&amp;C</b>	SUPPLEMENT NO.	
FIELD	<b>Nat Mesa</b>	REGION	<b>Delaware Basin</b>	LEGAL:	<b>21S 33E</b>
OPERATOR	<b>Ascent Energy, LLC</b>	WELL NO.	<b>701H</b>	W.I.	
OBJECTIVE	<b>Wolfcamp</b>	STATE	<b>NM</b>	MD/TVD	<b>17,500'/12,000'</b>

ESTIMATED PROJECT START DATE: **1Q2018**  
 DESCRIPTION: Drill a 5100' lateral in the Wolfcamp and frac with 33 stages. Assumes 4 string design.

### INTANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	COMPLETION	TOTAL WELL COST
8305 101	Location Cleanup & Damages			\$145,000		\$145,000
8305 102	Rig Move - MIRU, RDMO			\$100,000		100,000
8305 103	Rig Contractor-Daywork/FT	\$15,500	27	\$418,500		418,500
8305 104	Rig Contractor-Turnkey					0
8305 105	Power & Fuel			\$130,000		130,000
8305 106	Drill Fluids & Chemicals			\$160,000		160,000
8305 107	Bits, Reamer, Stabilizers			\$95,000		95,000
8305 108	Cement & Cementing Services			\$180,000		180,000
8305 109	Mud Logging			\$54,000		54,000
8305 110	Open Hole Logging			\$30,000		30,000
8305 111	Csg Crews & Tools			\$80,000		80,000
8305 112	Directional Tools & Service			\$230,000		230,000
8305 114	Form Eval - Well Testing DST - Coring, Sampling					0
8305 115	Tubular Inspection			\$20,000		20,000
8305 116	Equipment Rentals			\$300,000		300,000
8305 117	Contract Labor & Services			\$100,000		100,000
8305 118	Wellsite Consultants	\$ 2,000	54	\$108,000		108,000
8305 119	Company Supervision & Labor					0
8305 120	Transportation			\$15,000		15,000
8305 121	Mud,Cuttings & Water Disposal			\$100,000		100,000
8305 122	Insurance	1,9243	17,500	\$33,675		33,675
8305 123	Overhead			\$25,000		25,000
8305 124	Water & Water Well			\$25,000		25,000
8305 125	Unanticipated MajExp (Fishing)					0
8305 126	Legal			\$50,000		50,000
8305 127	Outside Operated Other					0
8305 128	Permits			\$10,000		10,000
8305 129	Environmental & Safety			\$20,000		20,000
8305 130	Plugging					0
	<b>SUBTOTAL</b>			<b>\$2,429,175</b>		<b>\$2,429,175</b>
8305 199	CONTINGENCY (%)	10.00%		242,918		242,918
	<b>SUB-TOTAL INTANGIBLE DRILLING COSTS</b>			<b>\$2,672,093</b>		<b>\$2,672,093</b>

### INTANGIBLE COMPLETION COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	COMPLETION	TOTAL WELL COST
8306 201	Location & Cleanup				\$10,000	\$10,000
8306 202	Power & Fuel				10,000	10,000
8306 203	Compl Fluids & Chemicals				45,000	45,000
8306 204	Bits, Reamer, Stabilizers				0	0
8306 205	Cement & Cementing Svcs				0	0
8306 206	Logging & Perforation Svcs				159,300	159,000
8306 207	Csg Crews & Tools-Drive Hammer				0	0
8306 208	Directional Tools & Svcs				0	0
8306 209	Formation Stimulatn Acid Frac				2,000,000	2,000,000
8306 210	Formation Evaluation				0	0
8306 211	Tubular Inspection				0	0
8306 212	Equipment Rentals				165,000	165,000
8306 213	Contract Labor & Services				0	0
8306 214	Wellsite Consultant	\$ -	0		43,500	43,500
8306 215	Company Supervision & Labor				0	0
8306 216	Transportation				20,000	20,000
8306 217	Mud Cuttings & Water Disposal				15,000	15,000
8306 218	Insurance				0	0
8306 219	Overhead				0	0
8306 220	Water & Water Well				313,500	313,500
8306 221	Unanticipated MajExp Fishing				0	0
8306 222	Coil Tubing Services				63,500	63,500
8306 223	Misc Supplies & Materials				35,000	35,000
8306 224	Flowback Testing				76,500	76,500
8306 225	Legal & Permits				5,000	5,000
8306 226	Environmental & Safety Costs				0	0
8306 227	Plugging				0	0
8306 228	Completion Rig	\$ -	0		30,000	30,000
	<b>SUBTOTAL</b>				<b>\$2,991,000</b>	<b>\$2,991,000</b>
8306 299	CONTINGENCY (%)	5.00%			149,550	149,550
	<b>SUB-TOTAL INTANGIBLE COMPLETION COSTS</b>				<b>\$3,140,550</b>	<b>\$3,140,550</b>
	<b>SUB-TOTAL INTANGIBLE COSTS</b>			<b>\$2,672,093</b>		<b>\$5,812,643</b>

### TANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	COMPLETION	TOTAL WELL COST
8308 301	Drive Pipe Conductor Casing	\$ -	0	\$20,000		\$20,000
8308 302	Surface Casing	\$ -	0	\$50,000		\$50,000
8308 303	Intermediate Casing	\$ -	0	\$210,000		\$210,000
8308 304	Liner Casing	\$ -	0	\$150,000		\$150,000
8308 305	Subs Fit Eopt Centralizers Etc					0
8308 306	Casinghead Drilling Spool			\$60,000		\$60,000
8308 307	Sub Surface Equipment					0
8308 308	Outside Operated Other					0
	<b>SUB-TOTAL TANGIBLE DRILLING COSTS</b>			<b>\$490,000</b>		<b>\$490,000</b>

EXHIBIT L-9



TANGIBLE COMPLETION COSTS						
ACCT.	DESCRIPTION	Rate	Units		COMPLETION	TOTAL WELL COST
8309 401	Production Casing	\$ -	0		400,000	\$400,000
8309 402	Tubing	\$ -	0		45,000	45,000
8309 403	Subs Flt Eqp Centralizers Etc					0
8309 404	Sub Surface Equipment				30,000	30,000
8309 405	Xmas Tree Upper Section				60,000	60,000
8309 406	Outside Operated Other					0
SUB-TOTAL TANGIBLE COMPLETION COSTS					\$535,000	\$535,000
SUB-TOTAL TANGIBLE COSTS					\$490,000	\$1,025,000
SUB-TOTAL INTANGIBLE & TANGIBLE COSTS					\$3,162,093	\$6,837,643
PRODUCTION EQUIPMENT COSTS						
					COMPLETION	TOTAL WELL COST
8311 501	Artificial Lift Equipment				\$15,000	\$15,000
8311 502	Prime Mover Electric Gas					0
8311 503	Sales Gathering Line					0
8311 504	Separation Equipment				50,000	50,000
8311 505	Oil Treating Heating Equipment					0
8311 506	Gas Treating Dehy Equipment					0
8311 507	Tanks				70,000	70,000
8311 508	Meters				55,000	55,000
8311 509	Electrical Equip Install				20,000	20,000
8311 510	Compressor					0
8311 511	Flowlines				50,000	50,000
8311 512	Labor				130,000	130,000
8311 513	Trucks Hauling Transportation					0
8311 514	Buildings					0
8311 515	Roads & Locations				10,000	10,000
8311 516	Manifolds & Headers				15,000	15,000
8311 517	Chemical Injection System					0
8311 518	Piping & Valves				50,000	50,000
8311 519	Welding					0
8311 520	Surface Pumps				5,000	5,000
8311 521	Filters					0
8311 522	Outside Operated Other					0
8311 523	Environmental & Safety				10,000	10,000
8311 524	Engineering Supervision				30,000	30,000
8311 525	Surface Facilities				15,000	15,000
SUB-TOTAL PRODUCTION EQUIPMENT					\$525,000	\$525,000
SUB-TOTAL INTANGIBLE COSTS (PAGE 1)					\$2,672,093	\$5,812,643
SUB-TOTAL TANGIBLE COSTS (PAGE 2)					\$490,000	\$1,025,000
GRAND TOTAL					\$3,162,093	\$7,362,643
LESS OUTSIDE INTERESTS					\$3,162,093	\$7,362,643
TOTAL NET COSTS					\$0	\$0

Notice to Nonoperator: Costs shown on this form are estimates only. Nonoperators should not consider these estimates as establishing any limit on monies which will be required to perform the proposed operation.

PREPARED BY	DATE
APPROVED	DATE
APPROVED	DATE
APPROVED	DATE

GROSS AFE AMOUNT - DRY HOLE	\$3,162,093
NET DRYHOLE AFE AMOUNT	\$0
NET ASSET TRANSFERS	\$0
CASH OUTLAY THIS AFE	\$0
PREVIOUS AFE'S ISSUED	\$0
TOTAL CASH OUTLAY	\$0

WORKING INTEREST APPROVAL			
COMPANY	WORKING INTEREST	APPROVED BY	DATE



# Ascent Energy, LLC

## ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE (AFE)

COST CENTER Sombrero Fed COM #702H BUD YEAR 2018 DATE December 12, 2017  
 AFE NO. \_\_\_\_\_ CATEGORY D&C SUPPLEMENT NO. \_\_\_\_\_  
 FIELD Hat Mesa REGION Delaware Basin LEGAL: 21S 33E  
 OPERATOR Ascent Energy, LLC WELL NO. 702H W.I. \_\_\_\_\_  
 OBJECTIVE Wolfcamp STATE NM MD/TVD 16,700'/11,850'  
 ESTIMATED PROJECT START DATE: 2Q2018

DESCRIPTION: Drill a 4600' lateral in the Wolfcamp and frac with 33 stages. Assumes 4 string design.

### INTANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	TOTAL WELL COST
8305 101	Location Cleanup & Damages				
8305 102	Rig Move - MIRU, RDMO			\$145,000	\$145,000
8305 103	Rig Contractor-Daywork/FT			\$100,000	100,000
8305 104	Rig Contractor-Turnkey	\$15,500	27	\$418,500	418,500
8305 105	Power & Fuel				0
8305 106	Drill Fluids & Chemicals			\$130,000	130,000
8305 107	Bits, Reamer, Stabilizers			\$160,000	160,000
8305 108	Cement & Cementing Services			\$95,000	95,000
8305 109	Mud Logging			\$180,000	180,000
8305 110	Open Hole Logging			\$54,000	54,000
8305 111	Csg Crews & Tools			\$30,000	30,000
8305 112	Directional Tools & Service			\$80,000	80,000
8305 114	Form Eval - Well Testing DST - Coring, Sampling			\$230,000	230,000
8305 115	Tubular Inspection				0
8305 116	Equipment Rentals			\$20,000	20,000
8305 117	Contract Labor & Services			\$300,000	300,000
8305 118	Wellsite Consultants	\$ 2,000	54	\$108,000	108,000
8305 119	Company Supervision & Labor				0
8305 120	Transportation			\$15,000	15,000
8305 121	Mud Cuttings & Water Disposal			\$100,000	100,000
8305 122	Insurance	1.9243	16.700	\$32,136	32,136
8305 123	Overhead			\$25,000	25,000
8305 124	Water & Water Well			\$25,000	25,000
8305 125	Unanticipated MirExp (Fishing)				0
8305 126	Legal			\$50,000	50,000
8305 127	Outside Operated Other				0
8305 128	Permits			\$10,000	10,000
8305 129	Environmental & Safety			\$20,000	20,000
8305 130	Plugging				0
	SUBTOTAL			\$2,427,636	\$2,427,636
8305 199	CONTINGENCY (%) 10.00%			242,764	242,764
	SUB-TOTAL INTANGIBLE DRILLING COSTS			\$2,670,399	\$2,670,399

### INTANGIBLE COMPLETION COSTS

ACCT.	DESCRIPTION	Rate	Units	COMPLETION	TOTAL WELL COST
8306 201	Location & Cleanup			\$10,000	\$10,000
8306 202	Power & Fuel			10,000	10,000
8306 203	Compl Fluids & Chemicals			45,000	45,000
8306 204	Bits, Reamer, Stabilizers				0
8306 205	Cement & Cementing Svcs				0
8306 206	Logging & Perforation Svcs				0
8306 207	Csg Crews & Tools-Drive Hammer			159,000	159,000
8306 208	Directional Tools & Svcs				0
8306 209	Formation Stimulatn Acid Frac			2,000,000	2,000,000
8306 210	Formation Evaluation				0
8306 211	Tubular Inspection				0
8306 212	Equipment Rentals			165,000	165,000
8306 213	Contract Labor & Services				0
8306 214	Wellsite Consultant	\$ -	0	43,500	43,500
8306 215	Company Supervision & Labor				0
8306 216	Transportation			20,000	20,000
8306 217	Mud Cuttings & Water Disposal			15,000	15,000
8306 218	Insurance				0
8306 219	Overhead				0
8306 220	Water & Water Well			313,500	313,500
8306 221	Unanticipated MajExo Fishing				0
8306 222	Coil Tubing Services			63,500	63,500
8306 223	Misc Supplies & Materials			35,000	35,000
8306 224	Flowback Testing			76,500	76,500
8306 225	Legal & Permits			5,000	5,000
8306 226	Environmental & Safety Costs				0
8306 227	Plugging				0
8306 228	Completion Rig	\$ -	0	30,000	30,000
	SUBTOTAL			\$2,991,000	\$2,991,000
8306 299	CONTINGENCY (%) 5.00%			149,550	149,550
	SUB-TOTAL INTANGIBLE COMPLETION COSTS			\$3,140,550	\$3,140,550
	SUB-TOTAL INTANGIBLE COSTS			\$2,670,399	\$3,140,550
					\$5,810,949

### TANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	TOTAL WELL COST
8308 301	Drive Pipe Conductor Casing	\$ -	0	\$20,000	\$20,000
8308 302	Surface Casing	\$ -	0	\$50,000	\$50,000
8308 303	Intermediate Casing	\$ -	0	\$210,000	\$210,000
8308 304	Liner Casing	\$ -	0	\$150,000	\$150,000
8308 305	Subs Fit Expt Centralizers Etc				0
8308 306	Casinghead Drilling Spool			\$60,000	\$60,000
8308 307	Sub Surface Equipment				0
8308 308	Outside Operated Other				0
	SUB-TOTAL TANGIBLE DRILLING COSTS			\$490,000	\$490,000

EXHIBIT *L-10*



TANGIBLE COMPLETION COSTS						
ACCT.	DESCRIPTION	Rate	Units		COMPLETION	TOTAL WELL COST
8309 401	Production Casing	\$ -	0		400,000	\$400,000
8309 402	Tubing	\$ -	0		45,000	45,000
8309 403	Subs Fit Eopt Centralizers Etc					0
8309 404	Sub Surface Equipment				30,000	30,000
8309 405	Xmas Tree Upper Section				60,000	60,000
8309 406	Outside Operated Other					0
SUB-TOTAL TANGIBLE COMPLETION COSTS					\$535,000	\$535,000
SUB-TOTAL TANGIBLE COSTS				\$490,000	\$535,000	\$1,025,000
SUB-TOTAL INTANGIBLE & TANGIBLE COSTS				\$3,160,399	\$3,675,550	\$6,835,949
PRODUCTION EQUIPMENT COSTS						
					COMPLETION	TOTAL WELL COST
8311 501	Artificial Lift Equipment				\$15,000	\$15,000
8311 502	Prime Mover Electric Gas					0
8311 503	Sales Gathering Line					0
8311 504	Separation Equipment				50,000	50,000
8311 505	Oil Treating Heating Equipment					0
8311 506	Gas Treating Dehy Equipment					0
8311 507	Tanks				70,000	70,000
8311 508	Meters				55,000	55,000
8311 509	Electrical Equip Install				20,000	20,000
8311 510	Compressor					0
8311 511	Flowlines				50,000	50,000
8311 512	Labor				130,000	130,000
8311 513	Trucks Hauling Transportation					0
8311 514	Buildings					0
8311 515	Roads & Locations				10,000	10,000
8311 516	Manifolds & Headers				15,000	15,000
8311 517	Chemical Injection System					0
8311 518	Piping & Valves				50,000	50,000
8311 519	Welding					0
8311 520	Surface Pumps				5,000	5,000
8311 521	Filters					0
8311 522	Outside Operated Other					0
8311 523	Environmental & Safety				10,000	10,000
8311 524	Engineering Supervision				30,000	30,000
8311 525	Surface Facilities				15,000	15,000
SUB-TOTAL PRODUCTION EQUIPMENT					\$525,000	\$525,000
SUB-TOTAL INTANGIBLE COSTS (PAGE 1)				\$2,670,399	\$3,140,550	\$5,810,949
SUB-TOTAL TANGIBLE COSTS (PAGE 2)				\$490,000	\$535,000	\$1,025,000
GRAND TOTAL				\$3,160,399	\$4,200,550	\$7,360,949
LESS OUTSIDE INTERESTS				\$3,160,399	\$4,200,550	\$7,360,949
TOTAL NET COSTS				\$0	\$0	\$0

Notice to Nonoperator: Costs shown on this form are estimates only. Nonoperators should not consider these estimates as establishing any limit on monies which will be required to perform the proposed operation.

PREPARED BY		DATE	
APPROVED		DATE	
APPROVED		DATE	
APPROVED		DATE	

GROSS AFE AMOUNT - DRY HOLE	\$3,160,399
NET DRYHOLE AFE AMOUNT	\$0
NET ASSET TRANSFERS	\$0
CASH OUTLAY THIS AFE	\$0
PREVIOUS AFE'S ISSUED	\$0
TOTAL CASH OUTLAY	\$0

WORKING INTEREST APPROVAL			
COMPANY	WORKING INTEREST	APPROVED BY	DATE



**STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION**

**APPLICATION OF ASCENT ENERGY, LLC  
FOR A NON-STANDARD OIL SPACING AND  
PRORATION UNIT AND COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO.**

**Case No. 15949**

**APPLICATION OF ASCENT ENERGY, LLC  
FOR A NON-STANDARD OIL SPACING AND  
PRORATION UNIT AND COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO.**

**Case No. 15950**

**APPLICATION OF ASCENT ENERGY, LLC  
FOR A NON-STANDARD OIL SPACING AND  
PRORATION UNIT AND COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO.**

**Case No. 15951**

**APPLICATION OF ASCENT ENERGY, LLC  
FOR A NON-STANDARD OIL SPACING AND  
PRORATION UNIT AND COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO.**

**Case No. 15952**

**AFFIDAVIT OF NOTICE**

COUNTY OF SANTA FE    )  
  ) ss.  
STATE OF NEW MEXICO    )

James Bruce, being duly sworn upon his oath, deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am an attorney for Ascent Energy, LLC.
3. Ascent Energy, LLC has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the applications filed herein.
4. Notice of the applications was provided to the interest owners, at their correct addresses, by certified mail. Copies of the notice letter and certified return receipts are attached hereto as Attachment A.

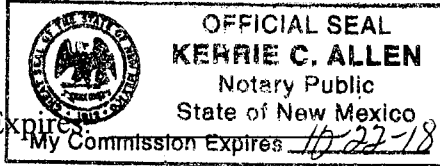
EXHIBIT *L-11*

5. Applicant has complied with the notice provisions of Division Rules NMAC 19.15.4.9 and 19.15.4.12.C.

*James Bruce*

James Bruce

SUBSCRIBED AND SWORN TO before me this 7<sup>th</sup> day of February, 2018 by James Bruce.



My Commission Expires:

*Kerrie C. Allen*  
Notary Public

**JAMES BRUCE**  
ATTORNEY AT LAW

POST OFFICE BOX 1056  
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213  
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)  
(505) 660-6612 (Cell)  
(505) 982-2151 (Fax)

[jamesbruc@aol.com](mailto:jamesbruc@aol.com)

January 5, 2018

CERTIFIED MAIL

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed are copies of four applications for a non-standard oil spacing and proration unit and compulsory pooling, filed with the New Mexico Oil Conservation Division by Ascent Energy, LLC, regarding.

1. A Bone Spring well in the W/2W/2 of Section 18, in Township 21 South, Range 33 East, NMPM, Lea County, New Mexico;
2. A Bone Spring well in the E/2W/2 of Section 18, in Township 21 South, Range 33 East, NMPM, Lea County, New Mexico;
3. A Wolfcamp well in the E/2W/2 of Section 18, in Township 21 South, Range 33 East, NMPM, Lea County, New Mexico; and
4. A Wolfcamp well in the W/2W/2 of Section 18, in Township 21 South, Range 33 East, NMPM, Lea County, New Mexico.

These matters are scheduled for hearing at 8:15 a.m. on Thursday, January 25, 2018, in Porter Hall at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by these applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date.

A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, January 18, 2018. This statement must be filed with the Division's Santa Fe office at the above address, and should include: The names of the party and its attorney; a concise statement of the case; the names of the witnesses the party will call to

ATTACHMENT *A*

testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned.

Very truly yours,

A handwritten signature in cursive script that reads "James Bruce". The signature is written in black ink and is positioned above the printed name.

James Bruce

Attorney for Ascent Energy, LLC

Exhibit A

COG Operating LLC  
600 West Illinois  
Midland, Texas 79701

EOG Resources, Inc.  
5509 Champions Drive  
Midland, Texas 79706

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

EOG Resources, Inc.  
5509 Champions Drive  
Midland, Texas 79706



9590 9402 2691 6351 9012 92

2. Article Number (Transfer from service label)

7017 2680 0000 1773 0986

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

AScent

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  Addressee  
 B. Received by (Printed Name) AScent  
 C. Date of Delivery 7-10-18  
 D. Is delivery address different from item 1?  Yes  No  
 If YES, enter delivery address below:

3. Service Type  
 Priority Mail Express®  
 Registered Mail™  
 Adult Signature Restricted Delivery  
 Certified Mail®  
 Return Receipt for Merchandise  
 Signature Confirmation™  
 Signature Restricted Delivery

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT  
Domestic Mail Only**

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

Certified Mail Fee \$  
 Extra Services & Fees (check box, add fee as appropriate)  
 Return Receipt (hardcopy) \$  
 Return Receipt (electronic) \$  
 Certified Mail Restricted Delivery \$  
 Adult Signature Required \$  
 Adult Signature Restricted Delivery \$  
 Postage \$  
 Total Postage and Fees \$

Postmark Here

Sent To COG Operating L.L.C.  
600 West Illinois  
Street and Apt. No., or PO Box Midland, Texas 79701  
 City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

6660 6227 0000 0892 2702

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT  
Domestic Mail Only**

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

Certified Mail Fee \$  
 Extra Services & Fees (check box, add fee as appropriate)  
 Return Receipt (hardcopy) \$  
 Return Receipt (electronic) \$  
 Certified Mail Restricted Delivery \$  
 Adult Signature Required \$  
 Adult Signature Restricted Delivery \$  
 Postage \$  
 Total Postage and Fees \$

Postmark Here

Sent To EOG Resources, Inc.  
5509 Champions Drive  
Street and Apt. No., or PO Midland, Texas 79706  
 City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

9860 6227 0000 0892 2702

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

COG Operating L.L.C.  
600 West Illinois  
Midland, Texas 79701



9590 9402 2691 6351 9012 78

2. Article Number (Transfer from service label)

7017 2680 0000 1773 0993

PS Form 3811, July 2015 PSN 7530-02-000-9053

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  Addressee  
 B. Received by (Printed Name) Mark Gaskins  
 C. Date of Delivery 7-10-18  
 D. Is delivery address different from item 1?  Yes  No  
 If YES, enter delivery address below:

3. Service Type  
 Priority Mail Express®  
 Registered Mail™  
 Adult Signature Restricted Delivery  
 Certified Mail®  
 Return Receipt for Merchandise  
 Signature Confirmation™  
 Signature Restricted Delivery  
 Collect on Delivery Restricted Delivery  
 Collect on Delivery Restricted Delivery Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053

AScent

**STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION**

**APPLICATION OF ASCENT ENERGY, LLC  
FOR A NON-STANDARD OIL SPACING AND  
PRORATION UNIT AND COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO.**

**Case No. 15949**

**APPLICATION OF ASCENT ENERGY, LLC  
FOR A NON-STANDARD OIL SPACING AND  
PRORATION UNIT AND COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO.**

**Case No. 15950**

**APPLICATION OF ASCENT ENERGY, LLC  
FOR A NON-STANDARD OIL SPACING AND  
PRORATION UNIT AND COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO.**

**Case No. 15951**

**APPLICATION OF ASCENT ENERGY, LLC  
FOR A NON-STANDARD OIL SPACING AND  
PRORATION UNIT AND COMPULSORY POOLING,  
LEA COUNTY, NEW MEXICO.**

**Case No. 15952**

**AFFIDAVIT OF NOTICE**

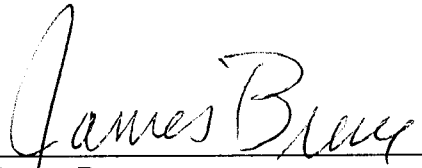
COUNTY OF SANTA FE    )  
  ) ss.  
STATE OF NEW MEXICO    )

James Bruce, being duly sworn upon his oath, deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am an attorney for Ascent Energy, LLC.
3. Ascent Energy, LLC has conducted a good faith, diligent effort to find the names and correct addresses of the offset operators or working interest owners entitled to receive notice of the applications filed herein.
4. Notice of the applications was provided to the offsets by certified mail. Copies of the notice letters and certified return receipts are attached hereto as Attachment A.

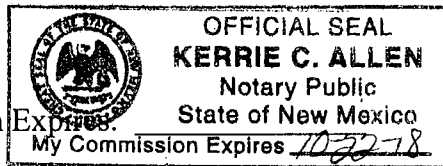
EXHIBIT *L-12*

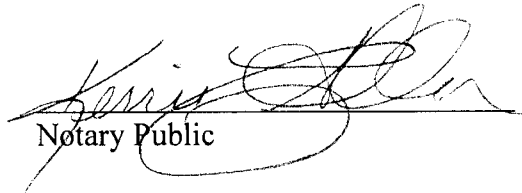
5. Applicant has complied with the notice provisions of Division Rules NMAC 19.15.4.9 and 19.15.4.12.C.

  
James Bruce

SUBSCRIBED AND SWORN TO before me this 7<sup>th</sup> day of February, 2018 by James Bruce.

My Commission Expires



  
Notary Public



**JAMES BRUCE**  
ATTORNEY AT LAW

POST OFFICE BOX 1056  
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213  
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)  
(505) 660-6612 (Cell)  
(505) 982-2151 (Fax)

[jamesbruc@aol.com](mailto:jamesbruc@aol.com)

January 19, 2018

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

To: Persons on Exhibit A:

Enclosed are copies of four applications for a non-standard oil spacing and proration unit and compulsory pooling, filed with the New Mexico Oil Conservation Division by Ascent Energy, LLC, regarding.

1. A Bone Spring well in the W/2W/2 of Section 18, in Township 21 South, Range 33 East, NMPPM, Lea County, New Mexico;
2. A Bone Spring well in the E/2W/2 of Section 18, in Township 21 South, Range 33 East, NMPPM, Lea County, New Mexico;
3. A Wolfcamp well in the E/2W/2 of Section 18, in Township 21 South, Range 33 East, NMPPM, Lea County, New Mexico; and
4. A Wolfcamp well in the W/2W/2 of Section 18, in Township 21 South, Range 33 East, NMPPM, Lea County, New Mexico.

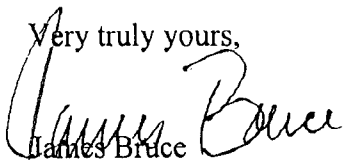
These matters are scheduled for hearing at 8:15 a.m. on Thursday, February 8, 2018, in Porter Hall at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but **as an offset owner or operator** may be affected by these applications, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting these matters at a later date.

A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, February 1, 2018. This statement must be filed with the Division's Santa Fe office at the above address, and should include: The names of the party and its attorney; a concise statement of the case; the names of the witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and

ATTACHMENT **A**

identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned.

Very truly yours,

A handwritten signature in cursive script that reads "James Bruce". The signature is written in black ink and is positioned above the printed name.

James Bruce

Attorney for ascent Energy, LLC

EXHIBIT A

Centennial Resource Production LLC  
Suite 1800  
1001 17<sup>th</sup> Street  
Denver, Colorado 80202

Advance Energy Partners  
Suite 950  
11490 Westheimer  
Houston, Texas 77077

Chevron U.S.A. Inc.  
6301 Deauville Boulevard  
Midland, Texas 79706

Attention: Permitting Team

Marathon Oil Permian LLC  
5555 San Felipe Street  
Houston, Texas 77056

Regeneration Energy Corp.  
P.O. Box 210  
Artesia, New Mexico 88211

**SENDER: COMPLETE THIS SECTION**

Complete items 1, 2, and 3.  
Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:  
Centennial Resource Production L.L.C.  
Suite 1800  
1001 17<sup>th</sup> Street  
Denver, Colorado 80202



9590 9402 2691 6351 9001 41

Article No. **7017 2680 0000 1773 6384**

PS Form 3811, July 2015 PSN 7530-02-000-9053

*Ascent*

Domestic Return Receipt

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT  
Domestic Mail Only**

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate):  
 Return Receipt (hardcopy) \$  
 Return Receipt (electronic) \$  
 Certified Mail Restricted Delivery \$  
 Adult Signature Required \$  
 Adult Signature Restricted Delivery \$  
Postage \$

Postmark Here

Total Postage and Fees

Sent To  
Centennial Resource Production L.L.C.  
Suite 1800  
1001 17<sup>th</sup> Street  
Denver, Colorado 80202

PS Form 3800, April 2015 PSN 7530-02-000-9057 See Reverse for Instructions

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Advance Energy Partners  
Suite 950  
11490 Westheimer  
Houston, Texas 77077



9590 9402 2691 6351 9000 97

2. Article No. **7017 2680 0000 1773 6391**

PS Form 3811, July 2015 PSN 7530-02-000-9053

*Ascent*

Domestic Return Receipt

**U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT  
Domestic Mail Only**

For delivery information, visit our website at [www.usps.com](http://www.usps.com)

Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate):  
 Return Receipt (hardcopy) \$  
 Return Receipt (electronic) \$  
 Certified Mail Restricted Delivery \$  
 Adult Signature Required \$  
 Adult Signature Restricted Delivery \$  
Postage \$

Postmark Here

Total Postage and Fees

Sent To  
Advance Energy Partners  
Suite 950  
11490 Westheimer  
Houston, Texas 77077

PS Form 3800, April 2015 PSN 7530-02-000-9057 See Reverse for Instructions

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  
*[Signature]*  Addressee

B. Received by (Printed Name) C. Date of Delivery  
*[Signature]* 1/23

D. Is delivery address different from item 1?  Yes  
If YES, enter delivery address below:  No

3. Service Type  
 Priority Mail Express®  
 Registered Mail™  
 Adult Signature Restricted Delivery  
 Certified Mail®  
 Certified Mail Restricted Delivery  
 Return Receipt for Merchandise  
 Collect on Delivery Restricted Delivery  
 Signature Confirmation™  
 Signature Confirmation Restricted Delivery

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Chevron U.S.A. Inc.  
6301 Deauville Boulevard  
Midland, Texas 79706



9590 9402 2691 6351 9000 80

2. Article: **7017 2680 0000 1773 6407**

PS Form 3811, July 2015 PSN 7530-02-000-9053

*As sent*

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature *X Elvia Barza*  Agent  Addressee
- B. Received by (Printed Name) *Elvia Barza* C. Date of Delivery *1/25/18*
- D. Is delivery address different from item 1?  Yes  No  
If YES, enter delivery address below:

3. Service Type
- Priority Mail Express®
  - Registered Mail™
  - Registered Mail Restricted Delivery
  - Certified Mail®
  - Return Receipt for Merchandise
  - Signature Confirmation™
  - Signature Confirmation Restricted Delivery

Domestic Return Receipt

**U.S. Postal Service™ CERTIFIED MAIL® RECEIPT**  
*Domestic Mail Only*

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

Certified Mail Fee \$  
Extra Services & Fees (check box, add fee as appropriate):  
Return Receipt (hardcopy) \$  
Return Receipt (electronic) \$  
Certified Mail Restricted Delivery \$  
Adult Signature Required \$  
Adult Signature Restricted Delivery \$

Postmark Here

Total Postage and Fees \$

Sent To *Chevron U.S.A. Inc.*  
Street and Apt. No., or P.O. Box: *6301 Deauville Boulevard*  
Midland, Texas 79706

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9057

See Reverse for Instructions

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Marathon Oil Permian LLC  
5535 San Felipe Street  
Houston, Texas 77056



9590 9402 2691 6351 9000 73

2. Article Number (transfer from service label)  
**7017 2680 0000 1773 6414**

PS Form 3811, July 2015 PSN 7530-02-000-9053

*As sent*

**U.S. Postal Service™ CERTIFIED MAIL® RECEIPT**  
*Domestic Mail Only*

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate):  
Return Receipt (hardcopy) \$  
Return Receipt (electronic) \$  
Certified Mail Restricted Delivery \$  
Adult Signature Required \$  
Adult Signature Restricted Delivery \$

Total Postage and Fees \$

Sent To *Marathon Oil Permian LLC*  
Street and Apt. No., or P.O. Box: *5535 San Felipe Street*  
Houston, Texas 77056

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9057

See Reverse for Instructions

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature *X Marcos Cameli*  Agent  Addressee
- B. Received by (Printed Name) *MARCO CAMELI* C. Date of Delivery *1-25-18*
- D. Is delivery address different from item 1?  Yes  No  
If YES, enter delivery address below:

3. Service Type
- Priority Mail Express®
  - Registered Mail™
  - Registered Mail Restricted Delivery
  - Certified Mail®
  - Return Receipt for Merchandise
  - Signature Confirmation™
  - Signature Confirmation Restricted Delivery

Domestic Return Receipt

5449 2221 0000 1773 6414

2019 2221 0000 0892 2702

**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Regeneration Energy Corp.  
P.O. Box 210  
Artesia, New Mexico 88211



9590 9402 2691 6351 9000 66

2. Art 7017 2680 0000 1773 6421

PS Form 3811, July 2015 PSN 7530-02-000-9053

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature  Agent  
 *Ray Miller*  Addressee  
 B. Received by (Printed Name) C. Date of Delivery  
*Raye Miller* 1/25/18  
 D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type  
 Adult Signature Restricted Delivery  
 Certified Mail®  
 Collect on Delivery  
 Collect on Delivery Restricted Delivery  
 Priority Mail Express®  
 Registered Mail™  
 Registered Mail Restricted Delivery  
 Return Receipt for Merchandise  
 Signature Confirmation™  
 Signature Confirmation Restricted Delivery

Domestic Return Receipt

**U.S. Postal Service™  
 CERTIFIED MAIL® RECEIPT  
 Domestic Mail Only**

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®

Certified Mail Fee	\$	
Extra Services & Fees (check box, add fee as appropriate)		
<input type="checkbox"/> Return Receipt (hardcopy)	\$	
<input type="checkbox"/> Return Receipt (electronic)	\$	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	
<input type="checkbox"/> Adult Signature Required	\$	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	
Postage	\$	
Total Postage and Fees	\$	
Sent To	Regeneration Energy Corp. P.O. Box 210	
Street and Apt. No., or	Artesia, New Mexico 88211	
City, State, ZIP+4®		

PS Form 3809, April 2015 PSN 7530-02-000-9047. See Reverse for Instructions.

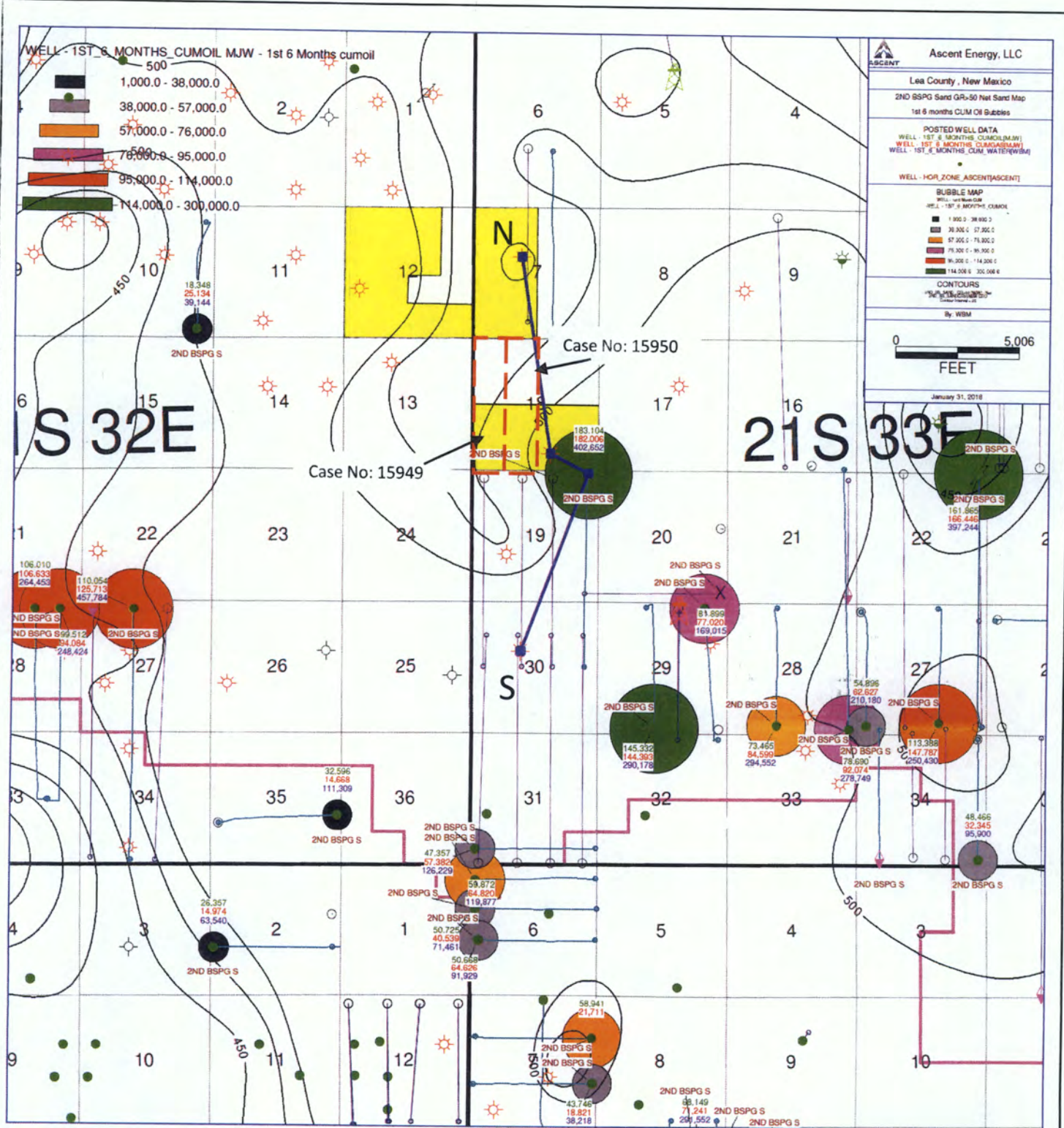












**Ascent Energy, LLC**

Lea County, New Mexico

2ND BSPG Sand GR-30 Net Sand Map

1st 6 months CUM Oil Bubbles

POSTED WELL DATA

WELL - 1ST 6 MONTHS\_CUMOIL(MJW)

WELL - 1ST 6 MONTHS\_CUMOIL(MJW)

WELL - 1ST 6 MONTHS\_CUMOIL(MJW)

WELL - HGR\_ZONE\_ASCENT[ASCENT]

BUBBLE MAP

WELL - 1ST 6 MONTHS\_CUMOIL

1,000.0 - 38,000.0

38,000.0 - 57,000.0

57,000.0 - 76,000.0

76,000.0 - 95,000.0

95,000.0 - 114,000.0

114,000.0 - 300,000.0

CONTOURS

By WBM

0 5,006 FEET

January 31, 2018

**Ascent Energy, LLC**

**Exhibit G3**

2<sup>nd</sup> Bone Spring Sand, Net Sand

Producing 2<sup>nd</sup> Bone Spring Sand Wells & Bone Spring Permits

CI = 25'	Case No. 15949/15950
----------	----------------------








Sombrero Fed COM 501H & Sombrero Fed COM 503H 2nd Bone Spring Sand Production Data Table

Well Name	Operator	UWI (API Num)	Township	Range	Section	SPUD DATE	COMP DATE	1ST 6 MONTHS CUM OIL (MBO)	1ST 6 MONTHS CUM GAS (BCF)	1ST 6 MONTHS CUM WATER (MBW)	CUM OIL (MBO)	CUM GAS (BCF)	CUM WATER (MBW)	Well Orientation	HOR_ZONE_ASCENT
HAT MESA 10 FEDERA 2H	CHAMBER ENERGY CO OF COLORADO	30025463650000	21S	32E	10	1/8/2012	4/22/2012	18.3	0.03	39.1	60.5	0.08	130.0	NS	2ND BSPG Sand
ANDERSON 35 3H	OXY USA WTP LP	300254178000100	21S	32E	35	7/24/2014	11/23/2014	32.6	0.01	111.3	64.5	0.04	240.8	EW	2ND BSPG Sand
SPEAK EASY FEDERAL U 3H	OXY USA INC	30025422650000	22S	32E	2	12/29/2014	4/9/2015	26.4	0.01	63.5	64.9	0.04	150.7	EW	2ND BSPG Sand
ABE STATE 003H	MARATHON OIL PERMIAN LLC	30025432300000	21S	33E	32	10/11/2016	2/3/2017	81.9	0.08	169.0	96.7	0.09	184.1	NS	2ND BSPG Sand
DAGGER STATE UNIT 2H	ADVANCE ENERGY PARTNERS HAT MESA LLC	30025411780000	21S	33E	31	1/7/2014	8/16/2014	47.4	0.06	126.2	102.1	0.16	269.9	EW	2ND BSPG Sand
RIDGE RUNNER 7 STA 1H	OXY USA INC	30025416460000	22S	33E	7	8/7/2014	1/29/2015	43.7	0.02	38.2	128.4	0.07	140.7	EW	2ND BSPG Sand
BILBREY 34-27 BONE F 001H	MENWOLBINE OIL COMPANY	30025432760000	21S	32E	34	9/9/2016	3/23/2017	110.1	0.13	457.8	137.0	0.17	528.1	NS	2ND BSPG Sand
BATTLE 1H	MARATHON OIL PERMIAN LLC	30025413640100	21S	33E	34	8/1/2014	10/30/2014	48.5	0.03	95.9	138.1	0.11	232.4	NS	2ND BSPG Sand
WARBLER STATE COM 002Y	COG OPERATING LIMITED LIABILITY CORP	30025429040000	21S	33E	28	10/31/2015	5/16/2016	73.5	0.08	294.6	143.8	0.21	515.8	NS	2ND BSPG Sand
COOP STATE 1H	ADVANCE ENERGY PARTNERS HAT MESA LLC	30025411770000	22S	33E	6	9/2/2013	2/28/2014	59.9	0.06	119.9	154.6	0.25	321.0	EW	2ND BSPG Sand
AO 6 STATE 1H	ADVANCE ENERGY PARTNERS HAT MESA LLC	30025405190000	22S	33E	6	8/29/2012	12/31/2012	50.7	0.06	91.9	156.5	0.18	369.4	EW	2ND BSPG Sand
RIDGE RUNNER 7 STA 2H	OXY USA INC	30025422690000	22S	33E	7	12/16/2014	4/8/2015	58.9	0.02	0.0	161.5	0.08	0.0	EW	2ND BSPG Sand
COOP STATE 2H	ADVANCE ENERGY PARTNERS HAT MESA LLC	30025419810000	22S	33E	6	8/31/2014	1/19/2015	50.7	0.04	71.5	169.0	0.27	255.8	EW	2ND BSPG Sand
PIGMY 27 STATE COM 1H	COG OPERATING LIMITED LIABILITY CORP	30025403520100	21S	33E	27	3/9/2014	5/18/2014	54.9	0.06	210.2	169.4	0.23	680.9	NS	2ND BSPG Sand
WARBLER STATE COM 4H	COG OPERATING LIMITED LIABILITY CORP	30025433100000	21S	33E	16	7/7/2016	9/28/2016	78.7	0.09	278.7	188.8	0.24	543.4	NS	2ND BSPG Sand
DAGGER STATE COM 504H	ADVANCE ENERGY PARTNERS HAT MESA LLC	30025433000000	21S	33E	30	7/25/2016	4/28/2017	183.1	0.18	402.7	208.9	0.21	461.9	NS	2ND BSPG Sand
BILBREY 33 FEDERAL 3H	DEVON ENERGY PRODUCTION COMPANY LP	30025418060000	21S	32E	33	7/26/2014	12/16/2014	106.0	0.11	264.5	240.0	0.45	718.1	NS	2ND BSPG Sand
BILBREY 33 FEDERAL 4H	DEVON ENERGY PRODUCTION COMPANY LP	30025418070000	21S	32E	33	6/23/2014	12/2/2014	99.5	0.09	248.4	258.8	0.52	786.7	NS	2ND BSPG Sand
FRUIT LOOP 29 STATE 501H	EOG RESOURCES INCORPORATED	30025415180000	21S	33E	29	9/30/2015	6/21/2016	145.3	0.14	290.2	262.9	0.27	439.5	NS	2ND BSPG Sand
PIGMY 27 STATE 3H	COG OPERATING LIMITED LIABILITY CORP	30025402680000	21S	33E	27	2/12/2015	5/24/2015	113.4	0.15	250.4	282.0	0.43	617.6	NS	2ND BSPG Sand
RASPBERRY STATE COM 1H	COG OPERATING LIMITED LIABILITY CORP	30025431790100	21S	33E	27	6/26/2016	10/7/2016	161.9	0.17	397.2	338.9	0.37	684.8	NS	2ND BSPG Sand



Ascent Energy, LLC  
Exhibit G5

---

2nd Bone Spring Sand Production  
Data Table

---

Case No. 15949/15950



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  
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		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name	
<sup>4</sup> Property Code		<sup>5</sup> Property Name SOMBRERO FED COM			<sup>6</sup> Well Number 501H
<sup>7</sup> OGRID No. 325830		<sup>8</sup> Operator Name ASCENT ENERGY			<sup>9</sup> Elevation 3901'

<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
M	7	21 S	33 E		130	SOUTH	515	WEST	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
M	18	21 S	33 E		330	SOUTH	390	WEST	LEA

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
-------------------------------	-------------------------------	----------------------------------	-------------------------

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.

**GEODETTIC COORDINATES**  
NAD 27 NME  
SURFACE LOCATION  
Y= 541,406.9  
X= 720,671.4  
LAT.= 32.486404°N  
LONG.= 103.617682°W

FIRST TAKE POINT  
NAD 27 NME  
Y= 540,944.1  
X= 720,549.3  
LAT.= 32.485134°N  
LONG.= 103.618088°W

**GEODETTIC COORDINATES**  
NAD 83 NME  
SURFACE LOCATION  
Y= 541,467.7  
X= 761,852.8  
LAT.= 32.486525°N  
LONG.= 103.618172°W

FIRST TAKE POINT  
NAD 83 NME  
Y= 541,004.9  
X= 761,730.7  
LAT.= 32.485255°N  
LONG.= 103.618578°W

**CORNER COORDINATES TABLE**  
NAD 27 NME  
A - Y= 541,273.5 N, X= 720,157.3 E  
B - Y= 541,281.9 N, X= 721,406.9 E  
C - Y= 538,638.7 N, X= 720,173.6 E  
D - Y= 538,645.7 N, X= 721,424.2 E  
E - Y= 535,989.6 N, X= 720,188.8 E  
F - Y= 536,002.0 N, X= 721,441.0 E

**CORNER COORDINATES TABLE**  
NAD 83 NME  
A - Y= 541,334.3 N, X= 761,338.7 E  
B - Y= 541,342.7 N, X= 762,588.3 E  
C - Y= 538,699.5 N, X= 761,355.1 E  
D - Y= 538,706.5 N, X= 762,605.7 E  
E - Y= 538,050.3 N, X= 761,370.4 E  
F - Y= 538,062.7 N, X= 762,622.6 E

**LAST TAKE POINT**  
NAD 27 NME  
Y= 536,325.5  
X= 720,576.9  
LAT.= 32.472438°N  
LONG.= 103.618099°W

**LAST TAKE POINT**  
NAD 83 NME  
Y= 536,386.2  
X= 761,758.5  
LAT.= 32.472559°N  
LONG.= 103.618588°W

**BOTTOM HOLE LOCATION**  
NAD 27 NME  
Y= 536,323.5  
X= 720,576.9  
LAT.= 32.472433°N  
LONG.= 103.618099°W

**BOTTOM HOLE LOCATION**  
NAD 83 NME  
Y= 536,384.2  
X= 761,758.5  
LAT.= 32.472554°N  
LONG.= 103.618588°W

**<sup>17</sup> 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.*

Signature \_\_\_\_\_ Date \_\_\_\_\_

Printed Name \_\_\_\_\_

E-mail Address \_\_\_\_\_

**<sup>18</sup> 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.*

1-24-2018  
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP 23786  
Certificate Number AW 2018010383

Ascent Energy, LLC
Exhibit G6
Sombrero FED COM 501H C-102 Well Plat
Case No. 15949/15950



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) 476-1462

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	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name
<sup>4</sup> Property Code	<sup>5</sup> Property Name SOMBRERO FED COM	
<sup>7</sup> OGRID No. 325830	<sup>8</sup> Operator Name ASCENT ENERGY	<sup>6</sup> Well Number 503H <sup>9</sup> Elevation 3905'

<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
N	7	21 S	33 E		684	SOUTH	2,202	WEST	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
N	18	21 S	33 E		330	SOUTH	2,145	WEST	LEA

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
-------------------------------	-------------------------------	----------------------------------	-------------------------

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**

SEC. 6  
T21S R33E

SEC. 7  
SEC. 18

GRID AZ. = 182°49'30"  
HORIZ. DIST. = 1,017.60'

GRID AZ. = 179°39'21"  
HORIZ. DIST. = 4,615.38'

SHL, FTP, LTP, 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.*

Signature \_\_\_\_\_ Date \_\_\_\_\_

Printed Name \_\_\_\_\_

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.*

1-24-2018  
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP 23786  
Certificate Number AW 2018010381

**16**

**GEODETIC COORDINATES**  
NAD 27 NME  
SURFACE LOCATION  
Y = 541,972.4  
X = 722,354.4  
LAT. = 32.487927°N  
LONG. = 103.612212°W

**GEODETIC COORDINATES**  
NAD 83 NME  
SURFACE LOCATION  
Y = 542,033.2  
X = 763,535.8  
LAT. = 32.488048°N  
LONG. = 103.612702°W

**FIRST TAKE POINT**  
NAD 27 NME  
Y = 540,956.0  
X = 722,304.2  
LAT. = 32.485134°N  
LONG. = 103.612397°W

**FIRST TAKE POINT**  
NAD 83 NME  
Y = 541,016.8  
X = 763,485.7  
LAT. = 32.485255°N  
LONG. = 103.612887°W

**CORNER COORDINATES TABLE**  
NAD 27 NME  
A - Y = 541,290.4 N, X = 722,656.5 E  
B - Y = 541,281.9 N, X = 721,406.9 E  
C - Y = 538,652.8 N, X = 722,674.9 E  
D - Y = 538,645.7 N, X = 721,424.2 E  
E - Y = 536,014.4 N, X = 722,693.2 E  
F - Y = 536,002.0 N, X = 721,441.0 E

**CORNER COORDINATES TABLE**  
NAD 83 NME  
A - Y = 541,351.2 N, X = 763,838.0 E  
B - Y = 541,342.7 N, X = 762,588.3 E  
C - Y = 538,713.5 N, X = 763,856.4 E  
D - Y = 538,706.5 N, X = 762,605.7 E  
E - Y = 536,075.1 N, X = 763,874.8 E  
F - Y = 536,062.7 N, X = 762,622.6 E

**LAST TAKE POINT**  
NAD 27 NME  
Y = 536,342.8  
X = 722,331.8  
LAT. = 32.472454°N  
LONG. = 103.612409°W

**LAST TAKE POINT**  
NAD 83 NME  
Y = 536,403.5  
X = 763,513.4  
LAT. = 32.472575°N  
LONG. = 103.612898°W

**BOTTOM HOLE LOCATION**  
NAD 27 NME  
Y = 536,340.8  
X = 722,331.8  
LAT. = 32.472448°N  
LONG. = 103.612409°W

**BOTTOM HOLE LOCATION**  
NAD 83 NME  
Y = 536,401.5  
X = 763,513.4  
LAT. = 32.472569°N  
LONG. = 103.612898°W

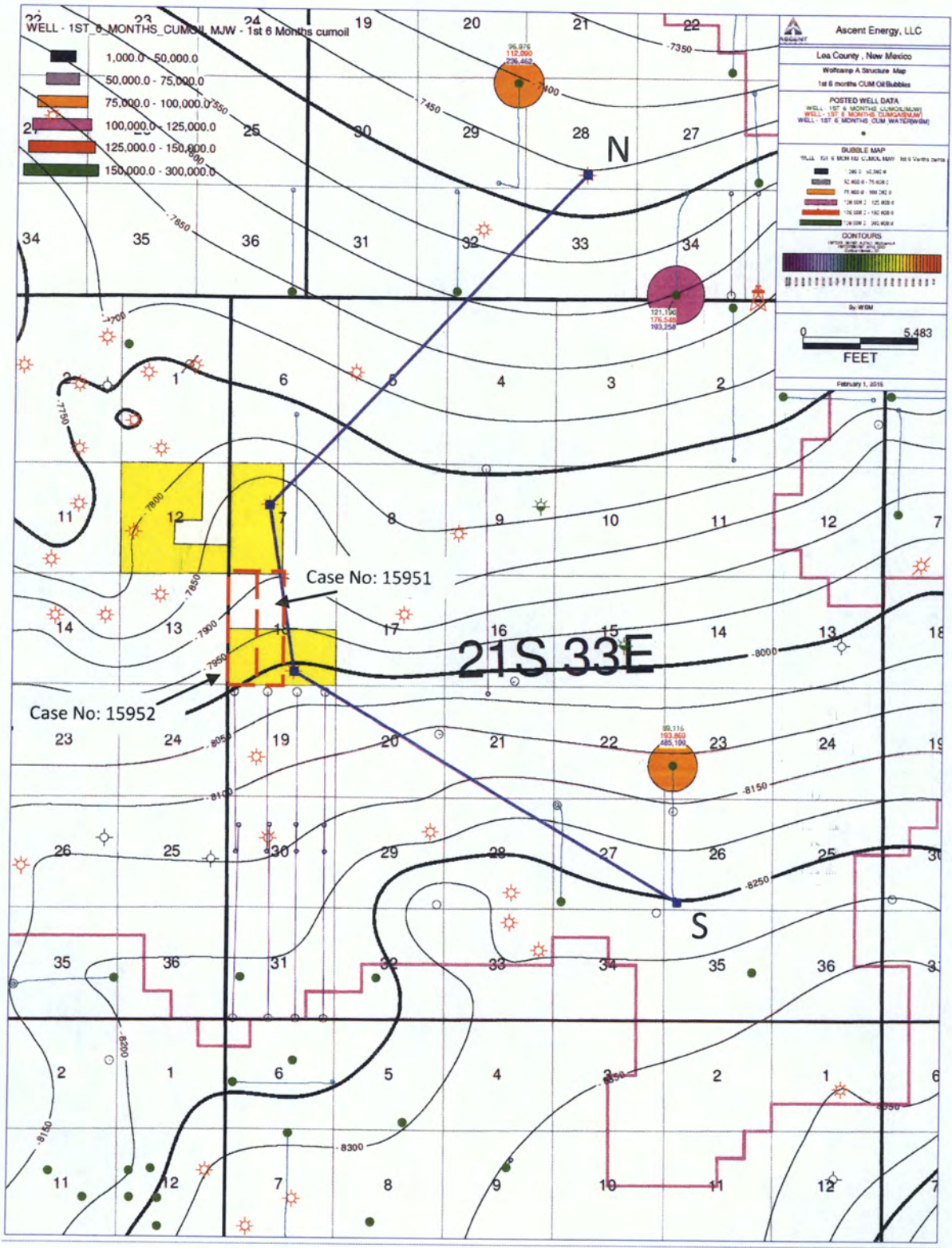
Ascent Energy, LLC

Exhibit G7

Sombrero FED COM 503H  
C-102 Well Plat

Case No. 15949/15950





Ascent Energy, LLC

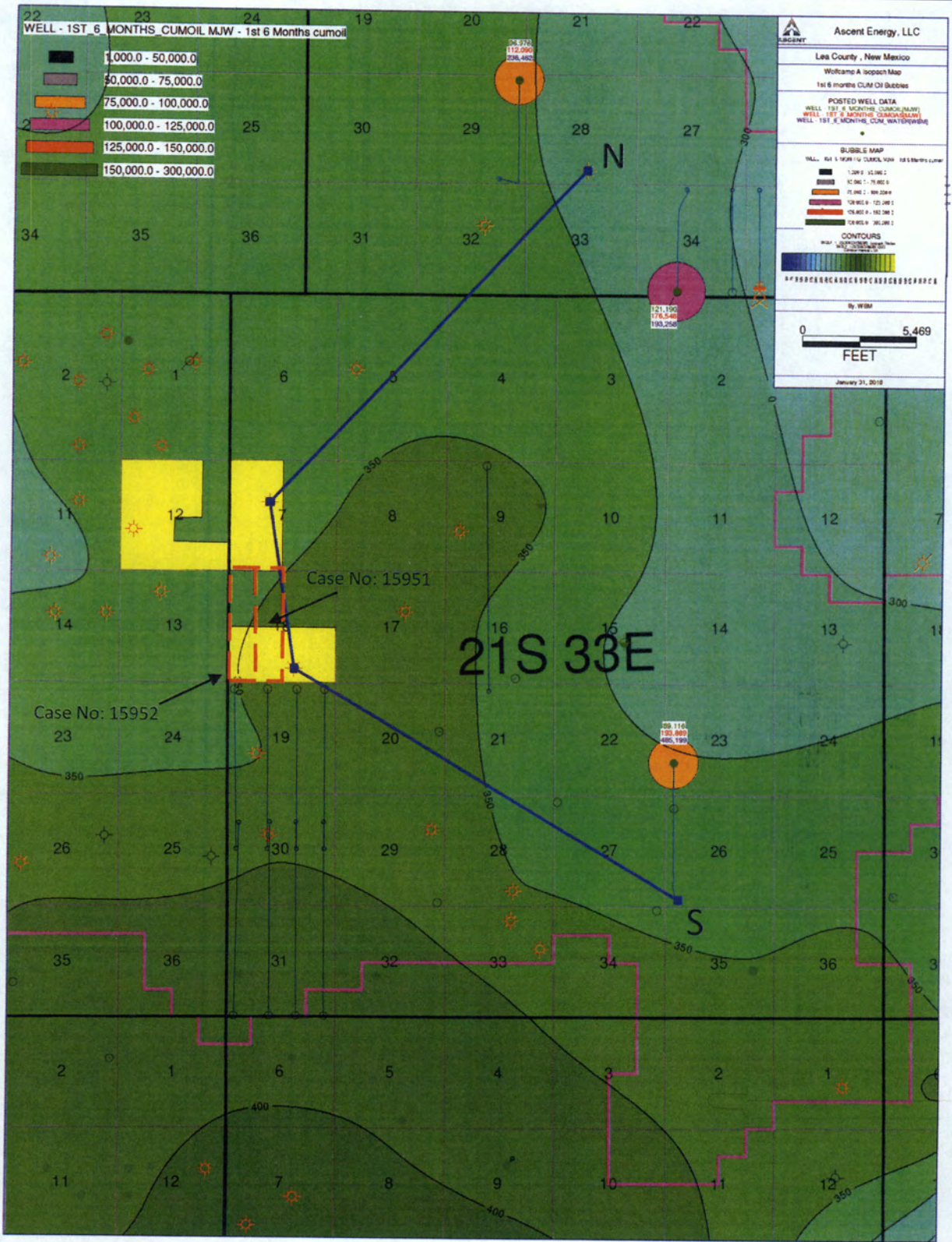
Exhibit G1

Wolfcamp A Structure  
Producing Wolfcamp Wells & Wolfcamp  
Permits

CI = 50'

Case No. 15951/15952





Ascent Energy, LLC	
Exhibit G2	
Wolfcamp A Isopach Producing Wolfcamp Wells & Wolfcamp Permits	
CI = 25'	Case No. 15951/15952







N

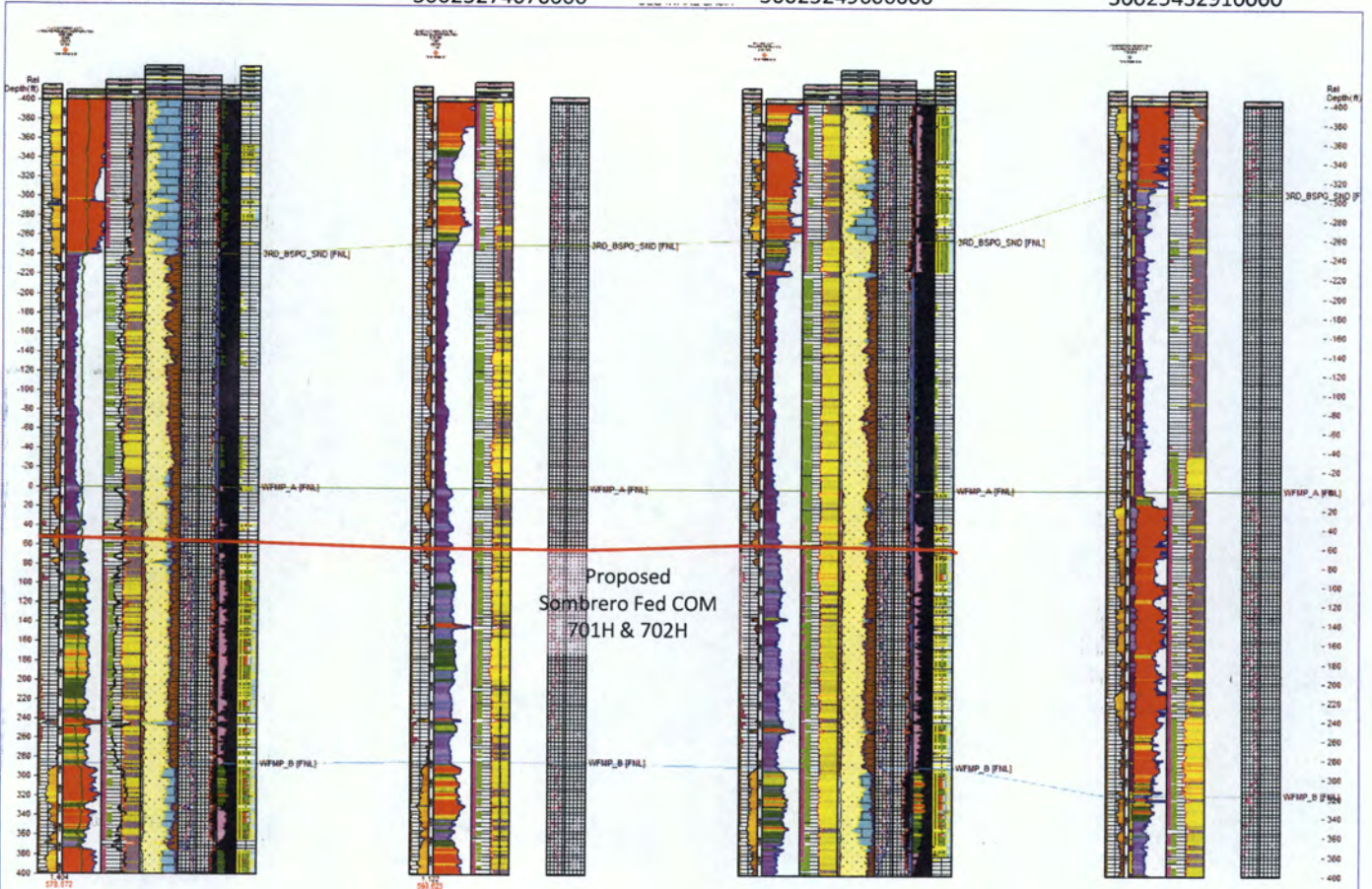
S

W Lynch Deep Unit 1\*  
30025269520000

East Hat Mesa State 1  
30025274070000

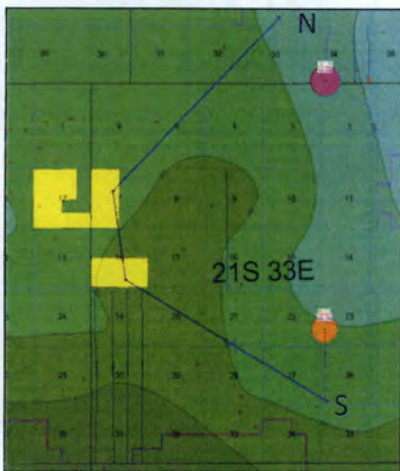
Eaves Unit 1\*  
30025249600000


Witherspoon 26 3 ST 1H  
30025432910000



\*NUTECH Petrophysical log from NUTECH's Delaware Basin Regional Study

\*NUTECH Petrophysical log from NUTECH's Delaware Basin Regional Study



Ascent Energy, LLC	
Exhibit G4	
Cross Section across top of Wolfcamp	
Case No. 15951/15952	





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  
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		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name		
<sup>4</sup> Property Code		<sup>5</sup> Property Name SOMBRERO FED COM			<sup>6</sup> Well Number 701H	
<sup>7</sup> OGRID No.		<sup>8</sup> Operator Name ASCENT ENERGY			<sup>9</sup> Elevation 3905'	

<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
N	7	21 S	33 E		684	SOUTH	2,227	WEST	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
N	18	21 S	33 E		230	SOUTH	2,066	WEST	LEA

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
-------------------------------	-------------------------------	----------------------------------	-------------------------

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.

**SEC. 6**

T21S R33E

**GEODETIC COORDINATES**  
NAD 27 NME  
SURFACE LOCATION  
Y = 541,973.0  
X = 722,404.8  
LAT. = 32.487928°N  
LONG. = 103.612049°W

FIRST TAKE POINT  
NAD 27 NME  
Y = 540,957.7  
X = 722,252.1  
LAT. = 32.485140°N  
LONG. = 103.612566°W

**GEODETIC COORDINATES**  
NAD 83 NME  
SURFACE LOCATION  
Y = 542,033.8  
X = 763,586.2  
LAT. = 32.488049°N  
LONG. = 103.612619°W

FIRST TAKE POINT  
NAD 83 NME  
Y = 541,018.5  
X = 763,433.6  
LAT. = 32.485261°N  
LONG. = 103.613055°W

**CORNER COORDINATES TABLE**  
NAD 27 NME  
A - Y = 541,290.4 N, X = 722,656.5 E  
B - Y = 541,281.9 N, X = 721,406.9 E  
C - Y = 538,652.8 N, X = 722,674.9 E  
D - Y = 538,645.7 N, X = 721,424.2 E  
E - Y = 536,014.4 N, X = 722,693.2 E  
F - Y = 536,002.0 N, X = 721,441.0 E

**CORNER COORDINATES TABLE**  
NAD 83 NME  
A - Y = 541,351.2 N, X = 763,838.0 E  
B - Y = 541,342.7 N, X = 762,588.3 E  
C - Y = 538,713.5 N, X = 763,856.4 E  
D - Y = 538,706.5 N, X = 762,605.7 E  
E - Y = 538,075.1 N, X = 763,874.8 E  
F - Y = 536,062.7 N, X = 762,622.6 E

**LAST TAKE POINT**  
NAD 27 NME  
Y = 536,341.0  
X = 722,253.0  
LAT. = 32.472450°N  
LONG. = 103.612664°W

**LAST TAKE POINT**  
NAD 83 NME  
Y = 536,401.7  
X = 763,434.6  
LAT. = 32.472571°N  
LONG. = 103.613153°W

**BOTTOM HOLE LOCATION**  
NAD 27 NME  
Y = 536,241.0  
X = 722,253.0  
LAT. = 32.472175°N  
LONG. = 103.612666°W

**BOTTOM HOLE LOCATION**  
NAD 83 NME  
Y = 536,301.7  
X = 763,434.6  
LAT. = 32.472296°N  
LONG. = 103.613155°W

**<sup>17</sup> 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.*

Signature \_\_\_\_\_ Date \_\_\_\_\_

Printed Name \_\_\_\_\_

E-mail Address \_\_\_\_\_

**<sup>18</sup> 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.*

10-16-2017  
Date of Survey \_\_\_\_\_

Signature and Seal of Professional Surveyor: \_\_\_\_\_

**PRELIMINARY. THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE AND SHALL NOT BE USED OR VIEWED OR RELIED UPON AS A FINAL SURVEY DOCUMENT**

MARK DILLON HARP 23786  
Certificate Number AI 2017071188

Ascent Energy, LLC
Exhibit G6
Sombrero FED COM 701H C-102 Well Plat
Case No. 15951/15952



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  
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	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name
<sup>4</sup> Property Code	<sup>5</sup> Property Name SOMBRERO FED COM	
<sup>7</sup> OGRID No. 325830	<sup>8</sup> Operator Name ASCENT ENERGY	<sup>6</sup> Well Number 702H
		<sup>9</sup> Elevation 3901'

<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
M	7	21 S	33 E		130	SOUTH	490	WEST	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
M	18	21 S	33 E		330	SOUTH	365	WEST	LEA

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
-------------------------------	-------------------------------	----------------------------------	-------------------------

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.

**GEODEIC COORDINATES**  
NAD 27 NME  
SURFACE LOCATION  
Y = 541,406.8  
X = 720,646.4  
LAT. = 32.486404°N  
LONG. = 103.617763°W

**FIRST TAKE POINT**  
NAD 27 NME  
Y = 540,943.9  
X = 720,524.3  
LAT. = 32.485134°N  
LONG. = 103.618169°W

**CORNER COORDINATES TABLE**  
NAD 27 NME  
A - Y = 541,273.5 N, X = 720,157.3 E  
B - Y = 541,281.9 N, X = 721,406.9 E  
C - Y = 538,638.7 N, X = 720,173.6 E  
D - Y = 538,645.7 N, X = 721,424.2 E  
E - Y = 535,989.6 N, X = 720,188.8 E  
F - Y = 536,002.0 N, X = 721,441.0 E

**CORNER COORDINATES TABLE**  
NAD 83 NME  
A - Y = 541,334.3 N, X = 761,338.7 E  
B - Y = 541,342.7 N, X = 762,588.3 E  
C - Y = 538,699.5 N, X = 761,355.1 E  
D - Y = 538,706.5 N, X = 762,605.7 E  
E - Y = 536,050.3 N, X = 761,370.4 E  
F - Y = 536,062.7 N, X = 762,622.6 E

**LAST TAKE POINT**  
NAD 27 NME  
Y = 536,325.2  
X = 720,551.9  
LAT. = 32.472438°N  
LONG. = 103.618180°W

**BOTTOM HOLE LOCATION**  
NAD 27 NME  
Y = 536,323.2  
X = 720,551.9  
LAT. = 32.472433°N  
LONG. = 103.618180°W

**<sup>17</sup> 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.*

Signature \_\_\_\_\_ Date \_\_\_\_\_

Printed Name \_\_\_\_\_

E-mail Address \_\_\_\_\_

**<sup>18</sup> 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.*

1-24-2018  
Date of Survey \_\_\_\_\_

Signature and Seal of Professional Surveyor:

MARK DILLON HARP 23786  
Certificate Number \_\_\_\_\_ AW 2018010382

Ascent Energy, LLC
Exhibit G7
Sombrero FED COM 702H C-102 Well Plat
Case No. 15951/15952