

INDEX

ASCENT ENERGY, LLC

CASE NOS. 20957 AND 20958

Exhibit 1: Landman's Affidavit

Exhibit 2: Geologist's Affidavit

Exhibit 3: Affidavit of Notice

Exhibit 4: Publication Notice

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

**IN THE MATTER OF THE HEARING CALLED  
BY THE OIL CONSERVATION DIVISION FOR  
THE PURPOSE OF CONSIDERING:**

**APPLICATION OF ASCENT ENERGY, LLC  
FOR COMPULSORY POOLING, LEA COUNTY,  
NEW MEXICO.**

**Case No. 20957**

**APPLICATION OF ASCENT ENERGY, LLC  
FOR COMPULSORY POOLING, LEA COUNTY,  
NEW MEXICO.**

**Case No. 20958**

**VERIFIED STATEMENT OF LEE ZINK**

Lee Zink, being duly sworn upon his oath, deposes and states:

1. I am the Vice President of Land for Ascent Energy, LLC ("Ascent"), and have personal knowledge of the matters stated herein. I have been qualified by the Division as an expert petroleum landman.

2. Pursuant to Division Rules, the following information is submitted in support of the compulsory pooling application filed herein:

(a) The purpose of this application is to force pool working interest owners into the Bone Spring and Wolfcamp horizontal spacing units described below, and in wells to be drilled in the units.

(b) No opposition is expected because the interest owners being pooled have been contacted regarding the proposed well, but have failed or refused to voluntarily commit their interests to the wells. All interest owners are locatable.

(c) The wells are in the proposed Big Bucks Development Area, a development area approved by the Bureau of Land Management for drilling in the potash area. A plat outlining the Development Area is attached as Attachment A.

(d) Ascent seeks orders pooling all mineral interests in the following well units:

(i) In Case No. 20957 Ascent seeks to pool the Bone Spring formation underlying the W/2W/2 of Section 12 and the NW/4NW/4 of Section 13, Township 21 South, Range 32 East, NMPM. The unit will be dedicated to the Big Moose Fed. Com.

EXHIBIT

Well Nos. 505H, 506H, and 604H, with first take points in the NW/4NW/4 of Section 12 and last take points in the NW/4NW/4 of Section 13. The wellbore of the Big Moose Fed. Com. Well No. 505H will be located 1254 feet from the west line of Sections 12 and 13, and applicant requests approval thereof.

(ii) In Case No. 20958 Ascent seeks to pool the Wolfcamp formation underlying the W/2W/2 of Section 12 and the NW/4NW/4 of Section 13, Township 21 South, Range 32 East, NMPM. The unit will be dedicated to the Bib Moose Fed Com. Well No. 707H.

Forms C-102 for the wells are attached as Exhibit B.

(e) There are no depth severances within either the Bone Spring formation or the Wolfcamp formation. Ownership in each formation is set forth on Attachment C.

(f) Attachment D is a sample well proposal sent to the working interest owners in thee well units. Ascent has had other contacts with the interest owners. All interest owners are locatable.

(g) Ascent has made a good faith effort to obtain the voluntary joinder of the working interest owners in the proposed well.

(h) The interest owners being pooled also own interests in offsetting acreage, so they have been given notice of the proposed unorthodox location. The location is unorthodox to maximize development and recovery in the Bone Spring formation.

(i) Ascent has the right to pool the overriding royalty owners in the well unit.

(j) Attachment E contains the Authorizations for Expenditure for the proposed wells. The estimated costs of the wells set forth therein are fair and reasonable, and comparable to the costs of other wells of similar depth and length drilled in this area of Eddy County.

(k) Ascent requests overhead and administrative rates of \$7500/month for a drilling well and \$750/month for a producing well. These rates are fair, and comparable to the rates charged by other operators for wells of this type in this portion of Lea County. They are also the rates set forth in the proposed Joint Operating Agreement for the well unit. Ascent requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.

(l) Ascent requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.

(m) Ascent requests that it be designated operator of the well.

(n) The attachments to this affidavit were prepared by me, or compiled from Company business records.

(o) The granting of this application is in the interests of conservation and the prevention of waste.

## VERIFICATION

STATE OF COLORADO )  
 ) ss.  
CITY AND COUNTY OF DENVER )

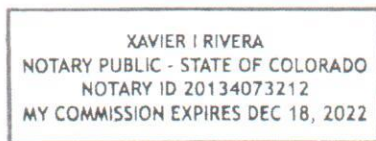
Lee Zink, being duly sworn upon his oath, deposes and states that: He is the Vice President of Land for Ascent Energy, LLC; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof, and the same is true and correct to the best of his knowledge, information, and belief.

Lee Zink

SUBSCRIBED AND SWORN TO before me this 16 day of December, 2019 by  
Lee Zink.

My Commission Expires: 12-18-2022

Notary Public





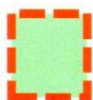
Big Bucks Development Area  
Township 21 South, Range 32 East

Section 12: All  
Section 13: N2N2  
800.00 Gross Acres  
Lea County, NM



ATTACHMENT

**A**



Big Bucks Development Area  
Approved by BLM on 3/23/2018

Ascent Energy, LLC



Exhibit

BLM Development Area Map  
T21S-R32E

Case No. 20957 & 20958

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

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name BIG MOOSE FED COM			6 Well Number 505H
7 OGRID No. 325830		8 Operator Name ASCENT ENERGY, LLC			9 Elevation 3764.0

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	1	21 S	32 E		308	SOUTH	895	WEST	LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	12	21 S	32 E		1270	NORTH	1254	WEST	LEA

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p><b>BIG MOOSE FED COM 505H</b> EL. = 3764.0'</p> <p><b>GEODETIC COORDINATES</b> NAD 27 NMSP EAST SURFACE LOCATION N. = 546828.59 E. = 715752.43 LAT. = 32.5013959 N LONG. = 103.6335183 W</p> <p><b>GEODETIC COORDINATES</b> NAD 83 NMSP EAST SURFACE LOCATION N. = 546890.24 E. = 756933.88 LAT. = 32.5015187 N LONG. = 103.6340084 W</p> <p><b>FIRST TAKE POINT</b> NAD 27 NMSP EAST N. = 546423.67 E. = 716113.96 LAT. = 32.5002784 N LONG. = 103.6323544 W</p> <p><b>FIRST TAKE POINT</b> NAD 83 NMSP EAST N. = 546485.32 E. = 757295.43 LAT. = 32.5003992 N LONG. = 103.6326444 W</p> <p><b>LAST TAKE POINT</b> NAD 27 NMSP EAST N. = 540023.71 E. = 716153.94 LAT. = 32.4826843 N LONG. = 103.6323611 W</p> <p><b>LAST TAKE POINT</b> NAD 83 NMSP EAST N. = 540085.18 E. = 757335.57 LAT. = 32.4828071 N LONG. = 103.6326505 W</p> <p><b>BOTTOM OF HOLE</b> NAD 27 NMSP EAST N. = 539973.72 E. = 716154.25 LAT. = 32.4825469 N LONG. = 103.6323612 W</p> <p><b>BOTTOM OF HOLE</b> NAD 83 NMSP EAST N. = 540035.19 E. = 757335.88 LAT. = 32.4826697 N LONG. = 103.6328505 W</p> <p><b>CORNER COORDINATES TABLE</b> NAD 27 NMSP EAST A - N. = 549153.09, E. = 714842.37 B - N. = 549164.18, E. = 716157.28 C - N. = 549215.07, E. = 714859.67 D - N. = 549524.04, E. = 716174.53 E - N. = 543872.49, E. = 714875.80 F - N. = 543882.78, E. = 716191.54 G - N. = 541232.35, E. = 714892.59 H - N. = 541242.69, E. = 716208.53</p> <p><b>CORNER COORDINATES TABLE</b> NAD 83 NMSP EAST A - N. = 549214.81, E. = 756023.75 B - N. = 549225.90, E. = 757338.68 C - N. = 546574.71, E. = 756041.12 D - N. = 546585.68, E. = 757356.00 E - N. = 543934.05, E. = 756057.32 F - N. = 543944.35, E. = 757375.07 G - N. = 541283.84, E. = 756074.18 H - N. = 541304.18, E. = 757390.13</p>	<p><b>" OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p>
		<p><b>"SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>OCTOBER 17, 2019</p> <p>Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor _____</p> <p>Certificate Number: FILED FOR JARAMILLO, PLS 2797 PROFESSIONAL SURVEY NO. 6002C</p>

ATTACHMENT

B

Ascent Energy, LLC



Big Moose FED COM 505H  
C-102 Well Plat

December 6, 2019



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  
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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<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 BIG MOOSE FED COM	<sup>6</sup> Well Number 506H
<sup>7</sup> OGRID No. 325830	<sup>8</sup> Operator Name ASCENT ENERGY, LLC	<sup>9</sup> Elevation 3764.3

<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	1	21 S	32 E		263	SOUTH	865	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
D	12	21 S	32 E		1270	NORTH	330	WEST	LEA

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<b>BIG MOOSE FED COM 506H</b> EL. = 3764.3' GEODETIC COORDINATES NAD 27 NMSP. EAST SURFACE LOCATION N. = 546783.33 E. = 715722.74 LAT. = 32.5012726N LONG. = 103.6336156W FIRST TAKE POINT NAD 27 NMSP. EAST N. = 546415.87 E. = 715190.20 LAT. = 32.5002717N LONG. = 103.6353506W LAST TAKE POINT NAD 27 NMSP. EAST N. = 540015.57 E. = 715230.18 LAT. = 32.4826786N LONG. = 103.6353568W BOTTOM OF HOLE NAD 27 NMSP. EAST N. = 539965.58 E. = 715230.49 LAT. = 32.4825412N LONG. = 103.6353568W	GEODETIC COORDINATES NAD 83 NMSP. EAST SURFACE LOCATION N. = 546844.96 E. = 756904.19 LAT. = 32.5013948N LONG. = 103.6341056W FIRST TAKE POINT NAD 83 NMSP. EAST N. = 546477.52 E. = 756371.65 LAT. = 32.5003944N LONG. = 103.6358407W LAST TAKE POINT NAD 83 NMSP. EAST N. = 540077.04 E. = 756411.80 LAT. = 32.4826014N LONG. = 103.6358463W BOTTOM OF HOLE NAD 83 NMSP. EAST N. = 540027.05 E. = 756412.11 LAT. = 32.4826640N LONG. = 103.6358463W	<b>" OPERATOR CERTIFICATION</b> 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 _____
	<b>CORNER COORDINATES TABLE</b> NAD 27 NMSP. EAST A - N. = 549153.09, E. = 714842.37 B - N. = 549164.18, E. = 716157.28 C - N. = 546513.07, E. = 714859.67 D - N. = 546524.04, E. = 716174.53 E - N. = 543872.49, E. = 714875.80 F - N. = 543862.78, E. = 716191.54 G - N. = 541232.35, E. = 714892.59 H - N. = 541242.69, E. = 716208.53	<b>"SURVEYOR CERTIFICATION</b> 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. OCTOBER 17, 2019 Date of Survey _____ Signature and Seal of Professional Surveyor _____ Certificate Number: FILLMORE 12737 SURVEY NO 6001C	<b>Ascent Energy, LLC</b> 
	<b>CORNER COORDINATES TABLE</b> NAD 83 NMSP. EAST A - N. = 549214.81, E. = 756023.75 B - N. = 549225.90, E. = 757338.68 C - N. = 546574.71, E. = 756041.12 D - N. = 546585.68, E. = 757356.00 E - N. = 543934.05, E. = 756057.32 F - N. = 543944.35, E. = 757373.07 G - N. = 541293.84, E. = 756074.18 H - N. = 541304.18, E. = 757390.13	Big Moose FED COM 506H C-102 Well Plat December 6, 2019	



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1 API Number		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name BIG MOOSE FED COM			6 Well Number 604H
7 OGRID No. 325830		8 Operator Name ASCENT ENERGY, LLC			9 Elevation 3764.3

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	1	21 S	32 E		308	SOUTH	805	WEST	LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	13	21 S	32 E		1270	NORTH	330	WEST	LEA

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
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	<b>BIG MOOSE FED COM 604H</b> EL. = 3764.3'		<b>17 OPERATOR CERTIFICATION</b> 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.	
	GEODETIC COORDINATES NAD 27 NMSP EAST SURFACE LOCATION N. = 546827.80 E. = 715662.46 LAT. = 32.5013954°N LONG. = 103.6338101°W		GEODETIC COORDINATES NAD 83 NMSP EAST SURFACE LOCATION N. = 546889.45 E. = 756843.91 LAT. = 32.5015181°N LONG. = 103.6343002°W	
	FIRST TAKE POINT NAD 27 NMSP EAST N. = 546415.87 E. = 715190.20 LAT. = 32.5002717°N LONG. = 103.6353506°W		FIRST TAKE POINT NAD 83 NMSP EAST N. = 546477.52 E. = 756371.65 LAT. = 32.5003944°N LONG. = 103.6358407°W	
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Signature and Seal of Professional Surveyor Certificate Number: J. JARAMILLA, PLS 1797 SURVEY NO 6000C				

Ascent Energy, LLC

Big Moose FED COM 604H  
C-102 Well Plat

December 6, 2019



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WELL LOCATION AND ACREAGE DEDICATION PLAT

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<sup>4</sup> Property Code	<sup>5</sup> Property Name BIG MOOSE FED COM	<sup>6</sup> Well Number 707H
<sup>7</sup> OGRID No. 325830	<sup>8</sup> Operator Name ASCENT ENERGY, LLC	<sup>9</sup> Elevation 3763.6

<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	1	21 S	32 E		308	SOUTH	865	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
D	13	21 S	32 E		1270	NORTH	990	WEST	LEA

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p><b>BIG MOOSE FED COM 707H</b> EL. = 3763.6'</p> <p>GEODETIC COORDINATES NAD 27 NMSP EAST SURFACE LOCATION N. = 546828.32 E. = 715722.49 LAT. = 32.5013957°N LONG. = 103.6336154°W</p> <p>FIRST TAKE POINT NAD 27 NMSP EAST N. = 546421.44 E. = 715850.03 LAT. = 32.5002751°N LONG. = 103.6332104°W</p> <p>LAST TAKE POINT NAD 27 NMSP EAST N. = 540021.36 E. = 715890.01 LAT. = 32.4828827°N LONG. = 103.6332170°W</p> <p>BOTTOM OF HOLE NAD 27 NMSP EAST N. = 539971.40 E. = 715890.32 LAT. = 32.4825453°N LONG. = 103.6332171°W</p> <p>CORNER COORDINATES TABLE NAD 27 NMSP EAST A - N. = 549153.09, E. = 714842.37 B - N. = 549164.18, E. = 716157.28 C - N. = 546513.07, E. = 714859.67 D - N. = 546524.04, E. = 716174.53 E - N. = 543872.49, E. = 714875.80 F - N. = 543882.78, E. = 716191.54 G - N. = 541232.35, E. = 714892.59 H - N. = 541242.69, E. = 716208.53</p> <p>CORNER COORDINATES TABLE NAD 83 NMSP EAST A - N. = 549214.81, E. = 756023.75 B - N. = 549225.90, E. = 757338.68 C - N. = 546574.71, E. = 756041.12 D - N. = 546585.68, E. = 757356.00 E - N. = 543934.05, E. = 756057.32 F - N. = 543944.35, E. = 757373.07 G - N. = 541293.84, E. = 756074.18 H - N. = 541304.18, E. = 757390.13</p>	<p><b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p>
	<p><b>SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>OCTOBER 17, 2019</p> <p>Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor _____ Certificate Number: FILLMON-JARAMILLO PLS-1797 PROFESSIONAL SURVEY NO. 5999C</p>	

Ascent Energy, LLC



Big Moose FED COM 707H  
C-102 Well Plat

December 9, 2019

Township 21 South, Range 32 East

Section 12: W2W2

Section 13: NWNW

200.00 Gross Acres

Lea County, NM

Case No. 20957

Pool Code:  
Bone Spring [30213]

ATTACHMENT



Working Interest for:

Big Moose Fed Com #505H

Big Moose Fed Com #506H

Big Moose Fed Com #604H

Ascent Energy LLC: 76.50%

Advance Energy Hat Mesa LLC 17.75%

Chevron Midcontinent LP: 5.00%

Bullhead Energy, LLC: 00.75%

Total: 100.00%



Pooling Unit

Sec. 12: W2W2

Sec. 13: NWNW

200.00 Gross Acres

Ascent Energy, LLC



Exhibit

Ascent Energy Pooling Unit Map  
Bone Spring Formation

Case No. 20957

Township 21 South, Range 32 East

Section 12: W2W2

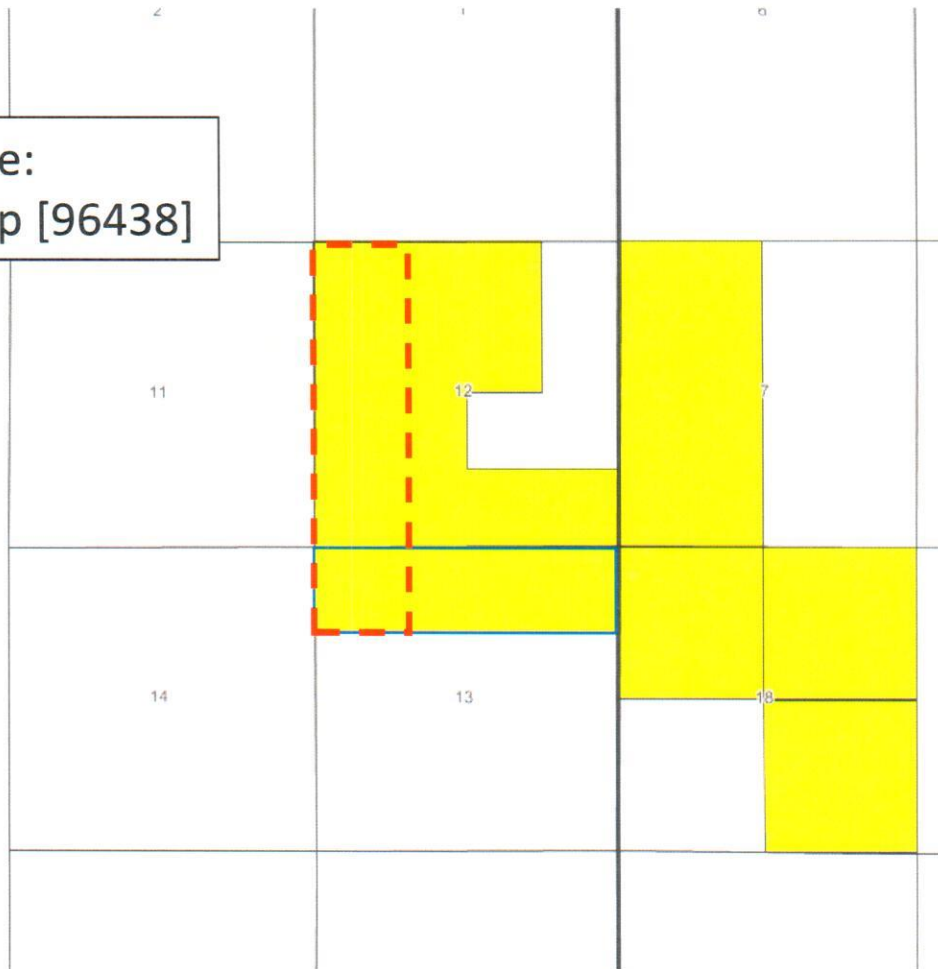
Section 13: NWNW

200.00 Gross Acres

Lea County, NM

Case No. 20958

Pool Code:  
Wolfcamp [96438]



Working Interest for:

Big Moose Fed Com #707H

Ascent Energy LLC:

81.50%

Advance Energy Hat Mesa LLC

17.75%

Bullhead Energy, LLC:

00.75%

Total:

100.00%



Pooling Unit

Sec. 12: W2W2

Sec. 13: NWNW

200.00 Gross Acres

Ascent Energy, LLC



Exhibit \_\_\_\_\_

Ascent Energy Pooling Unit Map  
Wolfcamp Formation

Case No. 20958





October 15, 2019

Advance Energy Hat Mesa, LLC  
11490 Westheimer Road, Suite 950  
Houston, TX 77077  
Attn: Paul Burdick

RE: Big Bucks Development Area  
T21S-R32E  
Sec. 12: W2W2  
Sec. 13: NWNW  
400 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 following wells located in Sections 12 and 13 of T21S-R32E, Lea County, New Mexico, (collectively known as the "Big Moose Wells".

<u>Well Name</u>	<u>Legal Description</u>	<u>Formation</u>	<u>TVD</u>	<u>TMD</u>	<u>AFE</u>
Big Moose Fed Com #505H	T21S-R32E Sec. 12: W2W2, Sec. 13: NWNW SLH: 308' FSL, 895' FWL, in Sec. 1, T21S-R32E BHL: 1,270' FNL, 1,254' FWL, in Sec. 13, T21S-R32E	2nd Bone Spring	10,748	17,502	\$ 8,919,724
Big Moose Fed Com #506H	T21S-R32E Sec. 12: W2W2, Sec. 13: NWNW SLH: 263' FSL, 865' FWL, in Sec. 1, T21S-R32E BHL: 1,270' FNL, 330' FWL, in Sec. 13, T21S-R32E	2nd Bone Spring	10,731	17,495	\$ 8,919,724
Big Moose Fed Com #604H	T21S-R32E Sec. 12: W2W2, Sec. 13: NWNW SLH: 308' FSL, 805' FWL, in Sec. 1, T21S-R32E BHL: 1,270' FNL, 330' FWL, in Sec. 13, T21S-R32E	3rd Bone Spring	11,508	18,368	\$ 9,375,499
Big Moose Fed Com #707H	T21S-R32E Sec. 12: W2W2, Sec. 13: NWNW SLH: 308' FSL, 865' FWL, in Sec. 1, T21S-R32E BHL: 1,270' FNL, 990' FWL, in Sec. 13, T21S-R32E	Wolfcamp	11,630	18,360	\$ 9,951,730

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October 15, 2019

Page 2 of 3

Ascent's records indicate that Advance Energy Hat Mesa, LLC ("Advance") owns a 15% working interest in the Big Moose Wells. Advance's estimated costs associated with the Big Moose Wells are approximately \$5,575,002.

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

- Contract Area:  
Township 21 South, Range 32 East  
Section 12: W2  
Section 13: N2NW
- Ascent named as Operator
- 100%/300%/300% non-consent penalties
- \$7,000.00/\$700.00 drilling and producing overhead rates

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

Ascent looks forward to working with Advance 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  
Vice President of Land  
Ascent Energy, LLC  
1125 17<sup>th</sup> Street, Suite 410  
Denver, CO 80202

Enclosure(s): Big Moose Fed Com #505H AFE  
Big Moose Fed Com #506H AFE  
Big Moose Fed Com #604H AFE  
Big Moose Fed Com #707H AFE  
Draft 2015 Horizontal AAPL Form 610 Operating Agreement (email only)

**Well Election(s)**

Big Moose Fed Com #505H

\_\_\_\_ Advance Energy Hat Mesa, LLC hereby elects to participate in the proposed Big Moose Fed Com #505H Operation by paying its proportionate share of the costs outlined on the associated AFE.

\_\_\_\_ Advance Energy Hat Mesa, LLC hereby elects not to participate in the proposed Big Moose Fed Com #505H Operation.

Big Moose Fed Com #506H

\_\_\_\_ Advance Energy Hat Mesa, LLC hereby elects to participate in the proposed Big Moose Fed Com #506H Operation by paying its proportionate share of the costs outlined on the associated AFE.

\_\_\_\_ Advance Energy Hat Mesa, LLC hereby elects not to participate in the proposed Big Moose Fed Com #506H Operation.

Big Moose Fed Com #604H

\_\_\_\_ Advance Energy Hat Mesa, LLC hereby elects to participate in the proposed Big Moose Fed Com #604H Operation by paying its proportionate share of the costs outlined on the associated AFE.

\_\_\_\_ Advance Energy Hat Mesa, LLC hereby elects not to participate in the proposed Big Moose Fed Com #604H Operation.

Big Moose Fed Com #707H

\_\_\_\_ Advance Energy Hat Mesa, LLC hereby elects to participate in the proposed Big Moose Fed Com #707H Operation by paying its proportionate share of the costs outlined on the associated AFE.

\_\_\_\_ Advance Energy Hat Mesa, LLC hereby elects not to participate in the proposed Big Moose Fed Com #707H Operation.

Working Interest Owner:

Advance Energy Hat Mesa, LLC

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

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

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



# Ascent Energy, LLC

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

COST CENTER	Big Moose Fed Com 505H	BUD YEAR	2019	DATE	October 8, 2019
AFE NO.		CATEGORY	D&C	SUPPLEMENT NO.	
FIELD	Hat Mesa	REGION	Delaware Basin	LEGAL:	21S 32E
OPERATOR	Ascent Energy, LLC	WELL NO.	505H	W.I.	
OBJECTIVE	2nd Bone Spring	STATE	NM	MD/TVD	+/-17,500' / 10,750'

ESTIMATED PROJECT START DATE: 4Q2019

DESCRIPTION: Drill a 5900' lateral in the 2nd Bone Spring and frac with 45 stages. Assumes 4 string design, 5 days to mob rig and 27 days to drill well. Frac with slickwater in 45 stages.

INTANGIBLE DRILLING COSTS						
ACCT.	DESCRIPTION	Rate	Units	DRYHOLE		TOTAL WELL COST
8305 101	Location Cleanup & Damages			\$70,000		\$70,000
8305 102	Rig Move - MIRU, RDMO			\$75,000		75,000
8305 103	Rig Contractor-Daywork/FT			\$648,000		648,000
8305 104	Rig Contractor-Turnkey					0
8305 105	Power & Fuel			\$160,000		160,000
8305 106	Drill Fluids & Chemicals			\$90,000		90,000
8305 107	Bits, Reamer, Stabilizers			\$90,000		90,000
8305 108	Cement & Cementing Services			\$300,000		300,000
8305 109	Mud Logging & Geosteering			\$48,000		48,000
8305 110	Open Hole Logging					0
8305 111	Csg Crews & Tools			\$70,000		70,000
8305 112	Directional Tools & Service			\$250,000		250,000
8305 114	Form Eval - Well Testing DST - Coring, Sampling					0
8305 115	Tubular Inspection			\$45,000		45,000
8305 116	Equipment Rentals			\$320,000		320,000
8305 117	Contract Labor & Services			\$120,000		120,000
8305 118	Wellsite Consultants			\$121,500		121,500
8305 119	Company Supervision & Labor					0
8305 120	Transportation			\$50,000		50,000
8305 121	Mud Cuttings & Water Disposal			\$70,000		70,000
8305 122	Insurance			\$32,713		32,713
8305 123	Overhead			\$50,000		50,000
8305 124	Water & Water Well			\$50,000		50,000
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
	SUBTOTAL			\$2,740,213		\$2,740,213
8305 199	CONTINGENCY (%) 5.00%			137,011		137,011
	SUB-TOTAL INTANGIBLE DRILLING COSTS			\$2,877,224		\$2,877,224
INTANGIBLE COMPLETION COSTS						
ACCT.	DESCRIPTION	Rate	Units	COMPLETION		TOTAL WELL COST
8306 201	Location & Cleanup			\$10,000		\$10,000
8306 202	Power & Fuel			250,000		250,000
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			450,000		450,000
8306 207	Csg Crews & Tools-Drive Hammer					0
8306 208	Directional Tools & Svcs					0
8306 209	Formation Stimulatn Acid Frac			2,100,000		2,100,000
8306 210	Formation Evaluation					0
8306 211	Tubular Inspection					0
8306 212	Equipment Rentals			195,000		195,000
8306 213	Contract Labor & Services					0
8306 214	Wellsite Consultant			80,000		80,000
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			652,500		652,500
8306 221	Unanticipated MajExp Fishing					0
8306 222	Coil Tubing Services			150,000		150,000
8306 223	Misc Supplies & Materials			35,000		35,000
8306 224	Flowback Testing			75,000		75,000
8306 225	Legal & Permits			5,000		5,000
8306 226	Environmental & Safety Costs			45,000		45,000
8306 227	Plugging					0
8306 228	Completion Rig			30,000		30,000
	SUBTOTAL			\$4,157,500		\$4,157,500
8306 299	CONTINGENCY (%) 0.00%			0		0
	SUB-TOTAL INTANGIBLE COMPLETION COSTS			\$4,157,500		\$4,157,500
	SUB-TOTAL INTANGIBLE COSTS			\$2,877,224		\$7,034,724
TANGIBLE DRILLING COSTS						
ACCT.	DESCRIPTION	Rate	Units	DRYHOLE		TOTAL WELL COST
8308 301	Drive Pipe Conductor Casing	\$ -	0	\$30,000		\$30,000
8308 302	Surface Casing	\$ -	0	\$65,000		65,000
8308 303	Intermediate Casing	\$ -	0	\$140,000		140,000
8308 304	Intermediate Casing	\$ -	0	\$265,000		265,000
8308 305	Subs Fit Eqpt Centralizers Etc			40,000		40,000
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			\$600,000		\$600,000

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TANGIBLE COMPLETION COSTS					
ACCT.	DESCRIPTION	Rate	Units	COMPLETION	TOTAL WELL COST
8309 401	Production Casing	\$ -	0	340,000	\$340,000
8309 402	Tubing	\$ -	0	60,000	60,000
8309 403	Subs Fit Eqpt Centralizers Etc			50,000	50,000
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				\$540,000	\$540,000
SUB-TOTAL TANGIBLE COSTS				\$600,000	\$1,140,000
SUB-TOTAL INTANGIBLE & TANGIBLE COSTS				\$3,477,224	\$4,697,500
PRODUCTION EQUIPMENT COSTS					
				COMPLETION	TOTAL WELL COST
8311 501	Artificial Lift Equipment			45,000	\$45,000
8311 502	Prime Mover Electric Gas				0
8311 503	Sales Gathering Line				0
8311 504	Separation Equipment			70,000	70,000
8311 505	Oil Treating Heating Equipment				0
8311 506	Gas Treating Dehy Equipment				0
8311 507	Tanks			160,000	160,000
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			145,000	145,000
8311 513	Trucks Hauling Transportation			10,000	10,000
8311 514	Buildings				0
8311 515	Roads & Locations			40,000	40,000
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			40,000	40,000
SUB-TOTAL PRODUCTION EQUIPMENT				\$745,000	\$745,000
SUB-TOTAL INTANGIBLE COSTS (PAGE 1)				\$2,877,224	\$4,157,500
SUB-TOTAL TANGIBLE COSTS (PAGE 2)				\$600,000	\$540,000
GRAND TOTAL				\$3,477,224	\$5,442,500
LESS OUTSIDE INTERESTS				\$3,477,224	\$5,442,500
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	GROSS AFE AMOUNT - DRY HOLE	\$3,477,224
APPROVED	DATE	NET DRYHOLE AFE AMOUNT	\$0
APPROVED	DATE	NET ASSET TRANSFERS	\$0
APPROVED	DATE	CASH OUTLAY THIS AFE	\$0
APPROVED	DATE	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	Big Moose Fed Com 506H	BUD YEAR	2019	DATE	October 8, 2019
AFE NO.		CATEGORY	D&C	SUPPLEMENT NO.	
FIELD	Hat Mesa	REGION	Delaware Basin	LEGAL:	21S 32E
OPERATOR	Ascent Energy, LLC	WELL NO.	506H	W.I.	
OBJECTIVE	2nd Bone Spring	STATE	NM	MD/TVD	+/-17,500'/10,730'

ESTIMATED PROJECT START DATE: 4Q2019

DESCRIPTION: Drill a 5900' lateral in the 2nd Bone Spring and frac with 45 stages. Assumes 4 string design, 5 days to mob rig and 27 days to drill well. Frac with slickwater in 45 stages.

### INTANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	TOTAL WELL COST
8305 101	Location Cleanup & Damages			\$70,000	\$70,000
8305 102	Rig Move - MIRU, RDMO			\$75,000	75,000
8305 103	Rig Contractor-Daywork/FT			\$648,000	648,000
8305 104	Rig Contractor-Turnkey				0
8305 105	Power & Fuel			\$160,000	160,000
8305 106	Drill Fluids & Chemicals			\$90,000	90,000
8305 107	Bits, Reamer, Stabilizers			\$90,000	90,000
8305 108	Cement & Cementing Services			\$300,000	300,000
8305 109	Mud Logging & Geosteering			\$48,000	48,000
8305 110	Open Hole Logging				0
8305 111	Csg Crews & Tools			\$70,000	70,000
8305 112	Directional Tools & Service			\$250,000	250,000
8305 114	Form Eval - Well Testing DST - Coring, Sampling				0
8305 115	Tubular Inspection			\$45,000	45,000
8305 116	Equipment Rentals			\$320,000	320,000
8305 117	Contract Labor & Services			\$120,000	120,000
8305 118	Wellsite Consultants			\$121,500	121,500
8305 119	Company Supervision & Labor				0
8305 120	Transportation			\$50,000	50,000
8305 121	Mud Cuttings & Water Disposal			\$70,000	70,000
8305 122	Insurance			\$32,713	32,713
8305 123	Overhead			\$50,000	50,000
8305 124	Water & Water Well			\$50,000	50,000
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			\$2,740,213	\$2,740,213
8305 199	CONTINGENCY (%) 5.00%			137,011	137,011
	SUB-TOTAL INTANGIBLE DRILLING COSTS			\$2,877,224	\$2,877,224

### INTANGIBLE COMPLETION COSTS

ACCT.	DESCRIPTION	Rate	Units	COMPLETION	TOTAL WELL COST
8306 201	Location & Cleanup			\$10,000	\$10,000
8306 202	Power & Fuel			250,000	250,000
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			450,000	450,000
8306 207	Csg Crews & Tools-Drive Hammer				0
8306 208	Directional Tools & Svcs				0
8306 209	Formation Stimulatn Acid Frac			2,100,000	2,100,000
8306 210	Formation Evaluation				0
8306 211	Tubular Inspection				0
8306 212	Equipment Rentals			195,000	195,000
8306 213	Contract Labor & Services				0
8306 214	Wellsite Consultant			80,000	80,000
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			652,500	652,500
8306 221	Unanticipated MajExp Fishing				0
8306 222	Coil Tubing Services			150,000	150,000
8306 223	Misc Supplies & Materials			35,000	35,000
8306 224	Flowback Testing			75,000	75,000
8306 225	Legal & Permits			5,000	5,000
8306 226	Environmental & Safety Costs			45,000	45,000
8306 227	Plugging				0
8306 228	Completion Rig			30,000	30,000
	SUBTOTAL			\$4,157,500	\$4,157,500
8306 299	CONTINGENCY (%) 0.00%			0	0
	SUB-TOTAL INTANGIBLE COMPLETION COSTS			\$4,157,500	\$4,157,500
	SUB-TOTAL INTANGIBLE COSTS			\$2,877,224	\$7,034,724

### TANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	TOTAL WELL COST
8308 301	Drive Pipe Conductor Casing	\$ -	0	\$30,000	\$30,000
8308 302	Surface Casing	\$ -	0	\$65,000	65,000
8308 303	Intermediate Casing	\$ -	0	\$140,000	140,000
8308 304	Intermediate Casing	\$ -	0	\$265,000	265,000
8308 305	Subs Flt Equip Centralizers Etc			40,000	40,000
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			\$600,000	\$600,000

TANGIBLE COMPLETION COSTS						
ACCT.	DESCRIPTION	Rate	Units		COMPLETION	TOTAL WELL COST
8309 401	Production Casing	\$ -	0		340,000	\$340,000
8309 402	Tubing	\$ -	0		60,000	60,000
8309 403	Subs Fit Eqpt Centralizers Etc				50,000	50,000
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				\$540,000	\$540,000
	SUB-TOTAL TANGIBLE COSTS			\$600,000	\$540,000	\$1,140,000
	SUB-TOTAL INTANGIBLE & TANGIBLE COSTS			\$3,477,224	\$4,697,500	\$8,174,724
PRODUCTION EQUIPMENT COSTS						
					COMPLETION	TOTAL WELL COST
8311 501	Artificial Lift Equipment				45,000	\$45,000
8311 502	Prime Mover Electric Gas					0
8311 503	Sales Gathering Line					0
8311 504	Separation Equipment				70,000	70,000
8311 505	Oil Treating Heating Equipment					0
8311 506	Gas Treating Dehy Equipment					0
8311 507	Tanks				160,000	160,000
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				145,000	145,000
8311 513	Trucks Hauling Transportation				10,000	10,000
8311 514	Buildings					0
8311 515	Roads & Locations				40,000	40,000
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				40,000	40,000
	SUB-TOTAL PRODUCTION EQUIPMENT				\$745,000	\$745,000
	SUB-TOTAL INTANGIBLE COSTS (PAGE 1)			\$2,877,224	\$4,157,500	\$7,034,724
	SUB-TOTAL TANGIBLE COSTS (PAGE 2)			\$600,000	\$540,000	\$1,140,000
	GRAND TOTAL			\$3,477,224	\$5,442,500	\$8,919,724
	LESS OUTSIDE INTERESTS			\$3,477,224	\$5,442,500	\$8,919,724
	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		GROSS AFE AMOUNT - DRY HOLE	\$3,477,224
APPROVED		DATE		NET DRYHOLE AFE AMOUNT	\$0
APPROVED		DATE		NET ASSET TRANSFERS	\$0
APPROVED		DATE		CASH OUTLAY THIS AFE	\$0
APPROVED		DATE		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	Big Moose Fed Com 604H	BUD YEAR	2019	DATE	October 8, 2019
AFE NO.		CATEGORY	D&C	SUPPLEMENT NO.	
FIELD	Hat Mesa	REGION	Delaware Basin	LEGAL:	21S 32E
OPERATOR	Ascent Energy, LLC	WELL NO.	604H	W.I.	
OBJECTIVE	3rd Bone Spring	STATE	NM	MD/TVD	+/-18,360'/11,500'

ESTIMATED PROJECT START DATE: 4Q2019

DESCRIPTION: Drill a 5900' lateral in the 3rd Bone Spring and frac with 39 stages. Assumes 4 string design. Frac with slickwater in 45 stages.

### INTANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	TOTAL WELL COST
8305 101	Location Cleanup & Damages			\$70,000	\$70,000
8305 102	Rig Move - MIRU, RDMO			\$75,000	75,000
8305 103	Rig Contractor-Daywork/FT			\$672,000	672,000
8305 104	Rig Contractor-Turnkey				0
8305 105	Power & Fuel			\$170,000	170,000
8305 106	Drill Fluids & Chemicals			\$90,000	90,000
8305 107	Bits, Reamer, Stabilizers			\$100,000	100,000
8305 108	Cement & Cementing Services			\$300,000	300,000
8305 109	Mud Logging/Geosteering			\$48,000	48,000
8305 110	Open Hole Logging				0
8305 111	Csg Crews & Tools			\$70,000	70,000
8305 112	Directional Tools & Service			\$255,000	255,000
8305 114	Form Eval - Well Testing DST - Coring, Sampling				0
8305 115	Tubular Inspection			\$45,000	45,000
8305 116	Equipment Rentals			\$325,000	325,000
8305 117	Contract Labor & Services			\$100,000	100,000
8305 118	Wellsite Consultants			\$126,000	126,000
8305 119	Company Supervision & Labor				0
8305 120	Transportation			\$50,000	50,000
8305 121	Mud,Cuttings & Water Disposal			\$75,000	75,000
8305 122	Insurance			\$35,022	35,022
8305 123	Overhead			\$25,000	25,000
8305 124	Water & Water Well			\$25,000	25,000
8305 125	Unanticipated MjrExp (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			\$2,736,022	\$2,736,022
8305 199	CONTINGENCY (%) 10.00%			273,602	273,602
	SUB-TOTAL INTANGIBLE DRILLING COSTS			\$3,009,624	\$3,009,624

### INTANGIBLE COMPLETION COSTS

ACCT.	DESCRIPTION	Rate	Units	COMPLETION	TOTAL WELL COST
8306 201	Location & Cleanup			\$10,000	\$10,000
8306 202	Power & Fuel			250,000	250,000
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			475,000	475,000
8306 207	Csg Crews & Tools-Drive Hammer				0
8306 208	Directional Tools & Svcs				0
8306 209	Formation Stimulatn Acid Frac			2,150,000	2,150,000
8306 210	Formation Evaluation				0
8306 211	Tubular Inspection				0
8306 212	Equipment Rentals			205,000	205,000
8306 213	Contract Labor & Services				0
8306 214	Wellsite Consultant			85,000	85,000
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			652,500	652,500
8306 221	Unanticipated MajExp Fishing				0
8306 222	Coll Tubing Services			165,000	165,000
8306 223	Misc Supplies & Materials			35,000	35,000
8306 224	Flowback Testing			85,000	85,000
8306 225	Legal & Permits			5,000	5,000
8306 226	Environmental & Safety Costs			40,000	40,000
8306 227	Plugging				0
8306 228	Completion Rig			30,000	30,000
	SUBTOTAL			\$4,267,500	\$4,267,500
8306 299	CONTINGENCY (%) 5.00%			213,375	213,375
	SUB-TOTAL INTANGIBLE COMPLETION COSTS			\$4,480,875	\$4,480,875
	SUB-TOTAL INTANGIBLE COSTS			\$3,009,624	\$7,490,499

### TANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	TOTAL WELL COST
8308 301	Drive Pipe Conductor Casing	\$ -	0	\$30,000	\$30,000
8308 302	Surface Casing	\$ -	0	\$65,000	65,000
8308 303	Intermediate Casing	\$ -	0	\$140,000	140,000
8308 304	Liner Casing	\$ -	0	\$265,000	265,000
8308 305	Subs Fit Eqp Centralizers Etc			40,000	40,000
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			\$600,000		\$600,000
TANGIBLE COMPLETION COSTS							
ACCT.		DESCRIPTION	Rate	Units		COMPLETION	TOTAL WELL COST
8309	401	Production Casing	\$ -	0		340,000	\$340,000
8309	402	Tubing	\$ -	0		60,000	60,000
8309	403	Subs Flt Eqpt Centralizers Etc				50,000	50,000
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				\$540,000	\$540,000
		SUB-TOTAL TANGIBLE COSTS			\$600,000	\$540,000	\$1,140,000
		SUB-TOTAL INTANGIBLE & TANGIBLE COSTS			\$3,609,624	\$5,020,875	\$8,630,499
PRODUCTION EQUIPMENT COSTS							
						COMPLETION	TOTAL WELL COST
8311	501	Artificial Lift Equipment				\$45,000	\$45,000
8311	502	Prime Mover Electric Gas					0
8311	503	Sales Gathering Line					0
8311	504	Separation Equipment				70,000	70,000
8311	505	Oil Treating Heating Equipment					0
8311	506	Gas Treating Dehy Equipment					0
8311	507	Tanks				160,000	160,000
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				145,000	145,000
8311	513	Trucks Hauling Transportation				10,000	10,000
8311	514	Buildings					0
8311	515	Roads & Locations				40,000	40,000
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				40,000	40,000
		SUB-TOTAL PRODUCTION EQUIPMENT				\$745,000	\$745,000
		SUB-TOTAL INTANGIBLE COSTS (PAGE 1)			\$3,009,624	\$4,480,875	\$7,490,499
		SUB-TOTAL TANGIBLE COSTS (PAGE 2)			\$600,000	\$540,000	\$1,140,000
		GRAND TOTAL			\$3,609,624	\$5,765,875	\$9,375,499
		LESS OUTSIDE INTERESTS			\$3,609,624	\$5,765,875	\$9,375,499
		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	\$3,609,624
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	Big Moose Fed Com 707H	BUD YEAR	2019	DATE	October 8, 2019
AFE NO.		CATEGORY	D&C	SUPPLEMENT NO.	
FIELD	Hat Mesa	REGION	Delaware Basin	LEGAL:	21S 32E
OPERATOR	Ascent Energy, LLC	WELL NO.	707H	W.I.	
OBJECTIVE	Wolfcamp	STATE	NM	MD/TVD	18,350' / 11,630'

ESTIMATED PROJECT START DATE: 4Q2019

DESCRIPTION: Drill a 5900' lateral in the Wolfcamp and frac with 39 stages. Assumes 4 string design. Frac with slickwater in 45 stages.

### INTANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	TOTAL WELL COST
8305 101	Location Cleanup & Damages			\$70,000	\$70,000
8305 102	Rig Move - MIRU, RDMO			\$75,000	75,000
8305 103	Rig Contractor-Daywork/FT			\$720,000	720,000
8305 104	Rig Contractor-Turnkey				0
8305 105	Power & Fuel			\$180,000	180,000
8305 106	Drill Fluids & Chemicals			\$120,000	120,000
8305 107	Bits, Reamer, Stabilizers			\$100,000	100,000
8305 108	Cement & Cementing Services			\$300,000	300,000
8305 109	Mud Logging/Geosteering			\$48,000	48,000
8305 110	Open Hole Logging			\$75,000	75,000
8305 111	Csg Crews & Tools			\$90,000	90,000
8305 112	Directional Tools & Service			\$270,000	270,000
8305 114	Form Eval - Well Testing DST - Coring, Sampling				0
8305 115	Tubular Inspection			\$50,000	50,000
8305 116	Equipment Rentals			\$310,000	310,000
8305 117	Contract Labor & Services			\$105,000	105,000
8305 118	Wellsite Consultants			\$135,000	135,000
8305 119	Company Supervision & Labor				0
8305 120	Transportation			\$60,000	60,000
8305 121	Mud Cuttings & Water Disposal			\$110,000	110,000
8305 122	Insurance			\$34,368	34,368
8305 123	Overhead			\$25,000	25,000
8305 124	Water & Water Well			\$60,000	60,000
8305 125	Unanticipated MjrExp (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			\$3,017,368	\$3,017,368
8305 199	CONTINGENCY (%) 10.00%			301,737	301,737
	SUB-TOTAL INTANGIBLE DRILLING COSTS			\$3,319,105	\$3,319,105

### INTANGIBLE COMPLETION COSTS

ACCT.	DESCRIPTION	Rate	Units	COMPLETION	TOTAL WELL COST
8306 201	Location & Cleanup			\$10,000	\$10,000
8306 202	Power & Fuel			250,000	250,000
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			495,000	495,000
8306 207	Csg Crews & Tools-Drive Hammer				0
8306 208	Directional Tools & Svcs				0
8306 209	Formation Stimulatn Acid Frac			2,350,000	2,350,000
8306 210	Formation Evaluation				0
8306 211	Tubular Inspection				0
8306 212	Equipment Rentals			210,000	210,000
8306 213	Contract Labor & Services				0
8306 214	Wellsite Consultant			85,000	85,000
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			652,500	652,500
8306 221	Unanticipated MjrExp Fishing				0
8306 222	Coil Tubing Services			175,000	175,000
8306 223	Misc Supplies & Materials			35,000	35,000
8306 224	Flowback Testing			85,000	85,000
8306 225	Legal & Permits			5,000	5,000
8306 226	Environmental & Safety Costs			40,000	40,000
8306 227	Plugging				0
8306 228	Completion Rig			30,000	30,000
	SUBTOTAL			\$4,502,500	\$4,502,500
8306 299	CONTINGENCY (%) 5.00%			225,125	225,125
	SUB-TOTAL INTANGIBLE COMPLETION COSTS			\$4,727,625	\$4,727,625
	SUB-TOTAL INTANGIBLE COSTS			\$3,319,105	\$8,046,730

### TANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	TOTAL WELL COST
8308 301	Drive Pipe Conductor Casing	\$ -	0	\$30,000	\$30,000
8308 302	Surface Casing	\$ -	0	\$65,000	65,000
8308 303	Intermediate Casing	\$ -	0	\$140,000	140,000
8308 304	Liner Casing	\$ -	0	\$265,000	265,000
8308 305	Subs Fit Eqp Centralizers Etc			40,000	40,000
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			\$600,000	\$600,000

TANGIBLE COMPLETION COSTS						
ACCT.	DESCRIPTION	Rate	Units		COMPLETION	TOTAL WELL COST
8309 401	Production Casing	\$ -	0		340,000	\$340,000
8309 402	Tubing	\$ -	0		75,000	75,000
8309 403	Subs Flt Eqp Centralizers Etc				50,000	50,000
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				\$555,000	\$555,000
	SUB-TOTAL TANGIBLE COSTS			\$600,000	\$555,000	\$1,155,000
	SUB-TOTAL INTANGIBLE & TANGIBLE COSTS			\$3,919,105	\$5,282,625	\$9,201,730
PRODUCTION EQUIPMENT COSTS						
					COMPLETION	TOTAL WELL COST
8311 501	Artificial Lift Equipment				\$50,000	\$50,000
8311 502	Prime Mover Electric Gas					0
8311 503	Sales Gathering Line					0
8311 504	Separation Equipment				70,000	70,000
8311 505	Oil Treating Heating Equipment					0
8311 506	Gas Treating Dehy Equipment					0
8311 507	Tanks				160,000	160,000
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				145,000	145,000
8311 513	Trucks Hauling Transportation				10,000	10,000
8311 514	Buildings					0
8311 515	Roads & Locations				40,000	40,000
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				40,000	40,000
	SUB-TOTAL PRODUCTION EQUIPMENT				\$750,000	\$750,000
	SUB-TOTAL INTANGIBLE COSTS (PAGE 1)			\$3,319,105	\$4,727,625	\$8,046,730
	SUB-TOTAL TANGIBLE COSTS (PAGE 2)			\$600,000	\$555,000	\$1,155,000
	GRAND TOTAL			\$3,919,105	\$6,032,625	\$9,951,730
	LESS OUTSIDE INTERESTS			\$3,919,105	\$6,032,625	\$9,951,730
	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	GROSS AFE AMOUNT - DRY HOLE	\$3,919,105
APPROVED	DATE	NET DRYHOLE AFE AMOUNT	\$0
APPROVED	DATE	NET ASSET TRANSFERS	\$0
APPROVED	DATE	CASH OUTLAY THIS AFE	\$0
	DATE	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 COMPULSORY POOLING AND APPROVAL  
OF AN UNORTHODOX WELL LOCATION, LEA  
COUNTY, NEW MEXICO.**

**Case No. 20957**

**APPLICATION OF ASCENT ENERGY, LLC  
FOR COMPULSORY POOLING, LEA COUNTY,  
NEW MEXICO.**

**Case No. 20958**

**VERIFIED STATEMENT OF BEN METZ**

William Metz, 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 a geologist for Ascent Energy, LLC ("Ascent"), and I am familiar with the geological matters involved in this case. I have been qualified by the Division as an expert petroleum geologist.
3. The geological plats in Attachments A, B, and C pertain to the Second Bone Spring, Third Bone Spring, and Wolfcamp zones, respectively. These three zones are prospective in this area. They contain:
  - (a) Structure maps on top of each zone. They show that structure dips gently to the east-southeast. They also show a line of cross-section.
  - (b) Gross and net isopachs for each zone. Each zone has a uniform thickness across the well units.
  - (c) Cross-sections of each zone. The well logs on the cross-sections give a representative sample of the Second Bone Spring, Third Bone Spring, and Wolfcamp zones in this area. The target zones are continuous across the well units.
4. I conclude from the maps that:
  - (a) The Bone Spring and Wolfcamp horizontal spacing units are justified from a geologic standpoint, and horizontal drilling is the best method to produce Bone Spring and Wolfcamp reserves.

EXHIBIT

**2**



(b) Each quarter-quarter section in the well units will contribute more or less equally to production from each respective zone.

(c) There is no faulting or other geologic impediment in the area which will affect the drilling of the subject wells.

5. Attachment D contains production data from Bone Spring and Wolfcamp wells in the area. Virtually all wells in both formations have a north-south orientation, and based on well results Ascent desires to drill standup well units.

6. The granting of these applications is in the interests of conservation and the prevention of waste.

## STATE OF COLORADO

)

) ss.


COTY AND COUNTY OF DENVER

)

  
Ben Metz

My Commission Expires:

05/28/2022

  
Notary Public

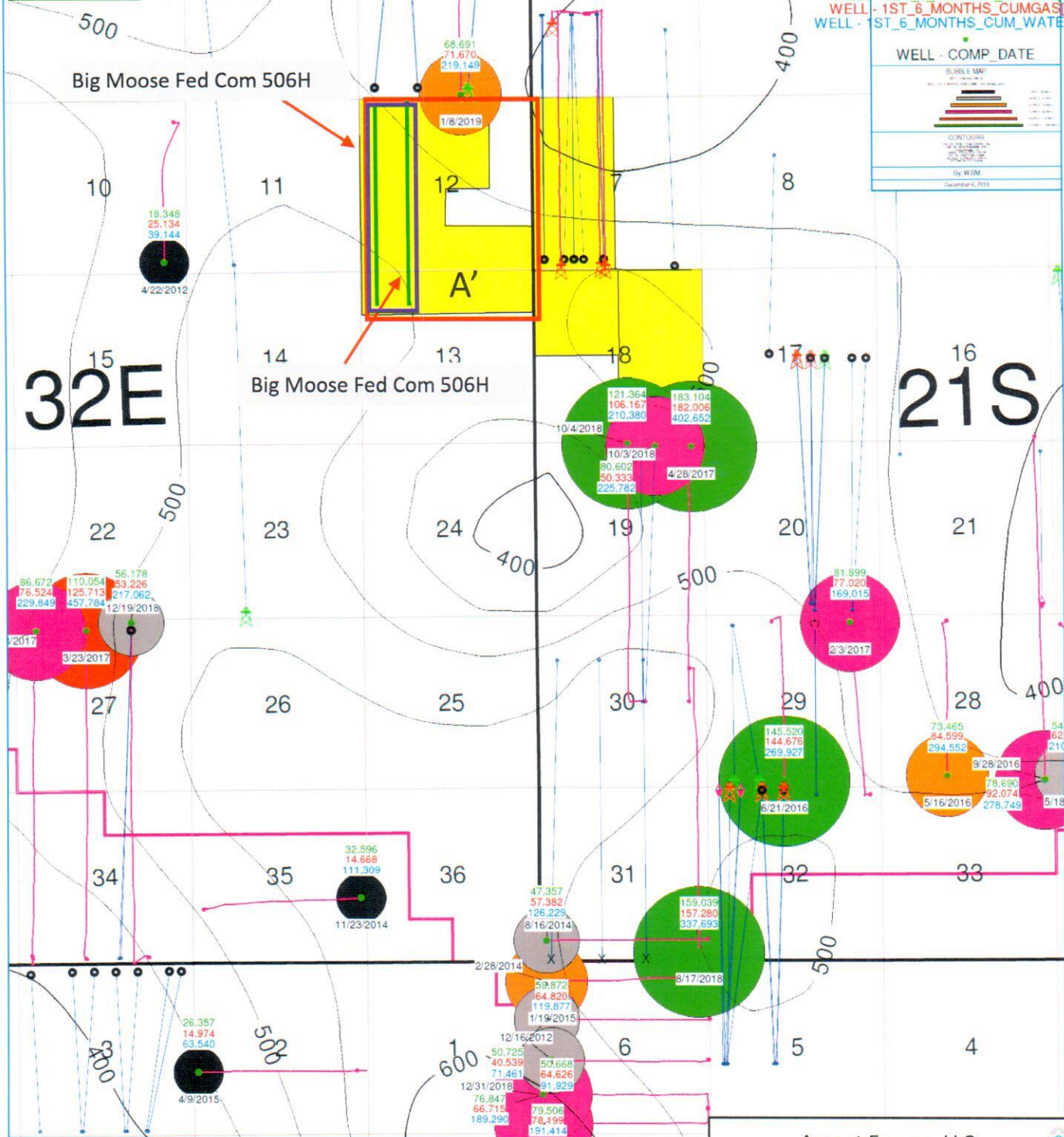
SHIRLEY MAE JOHNSON  
NOTARY PUBLIC - STATE OF COLORADO  
Notary ID #19984014766  
My Commission Expires 5/28/2022







WELL - 1ST\_6\_MONTHS\_CUMOIL MJW - 1st 6 Months cumoil



ASCENT

DELAWARE BASIN

2nd Bone Spring Sand PHIA 6%

6 Month CUM Production

2nd Bone Spring Sand Well & BSG Permits

0 3,824 FEET

POSTED WELL DATA

WELL - 1ST\_6\_MONTHS\_CUMOIL

WELL - 1ST\_6\_MONTHS\_CUMGAS

WELL - 1ST\_6\_MONTHS\_CUMWATER

WELL - COMP\_DATE

BLM MAP

CONTOURS

By WIM

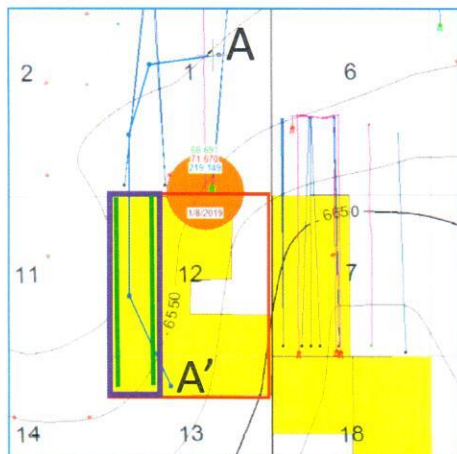
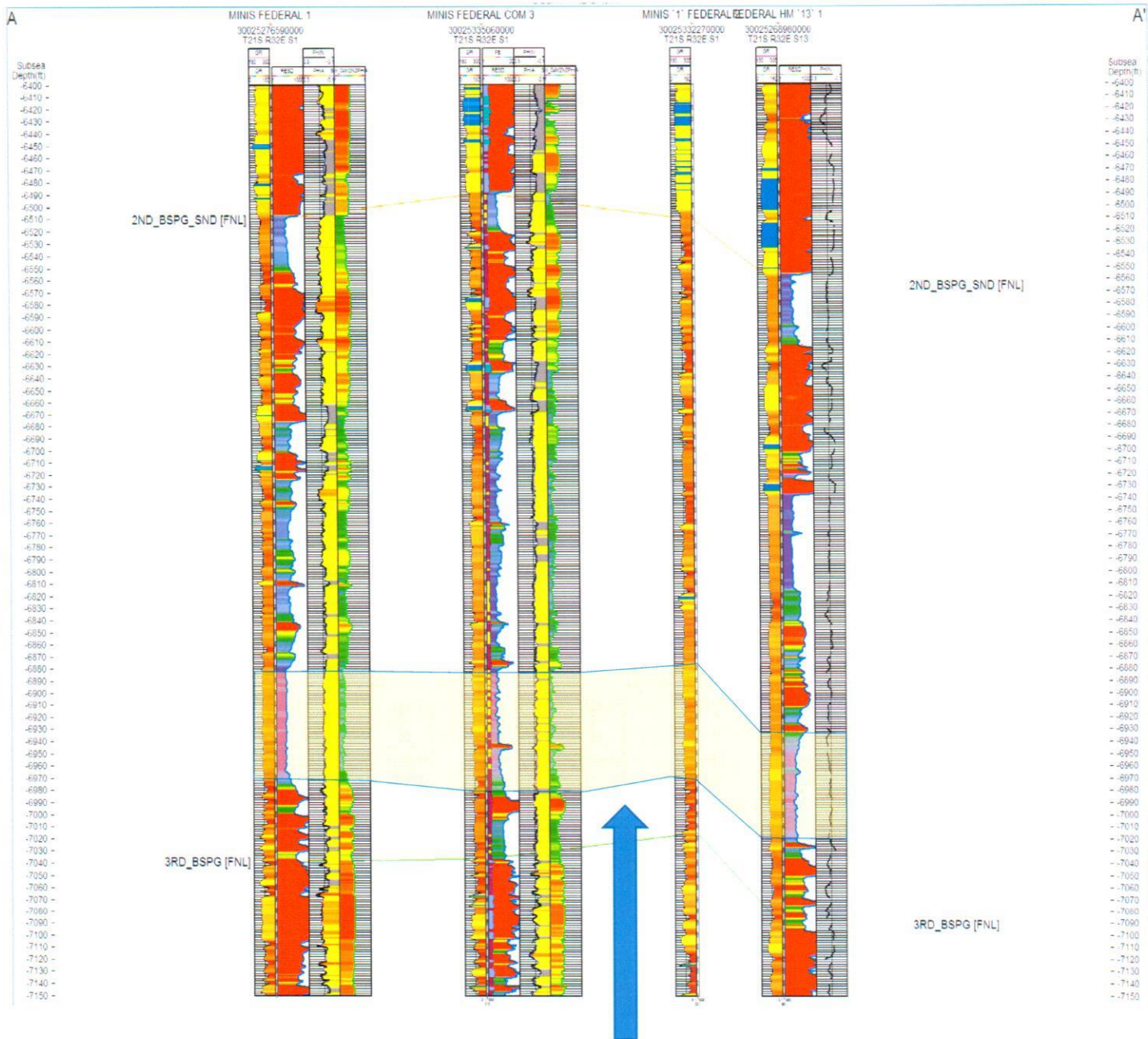
December 6, 2019



Approved BLM Potash Development Area

Ascent Energy, LLC	
2nd Bone Spring Sand PHIA >6% Producing 2nd Bone Spring Sand Wells & Bone Spring Permits	
CI = 50'	December 6, 2019





Proposed Target for:  
Big Moose Fed COM 505H &  
Big Moose Fed COM 506H

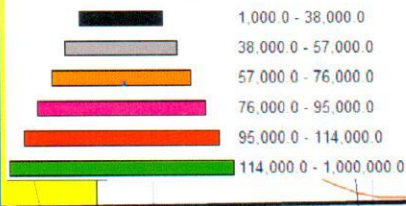
Ascent Energy, LLC



Cross Section across 2<sup>nd</sup> Bone  
Spring Sand

December 6, 2019

WELL - 1ST\_6\_MONTHS\_CUMOIL MJW - 1st 6 Months cumoil



Big Moose Fed Com 604H

32E

21S

ATTACHMENT

B

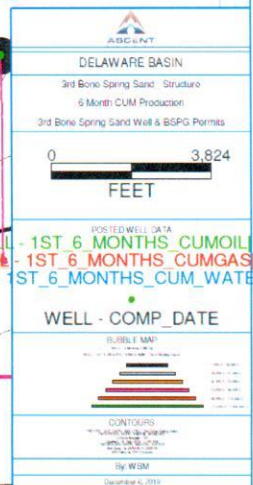
Approved BLM Potash Development Area

Ascent Energy, LLC

3rd Bone Spring Sand Structure  
Producing 3rd Bone Spring Sand Wells &  
Bone Spring Permits

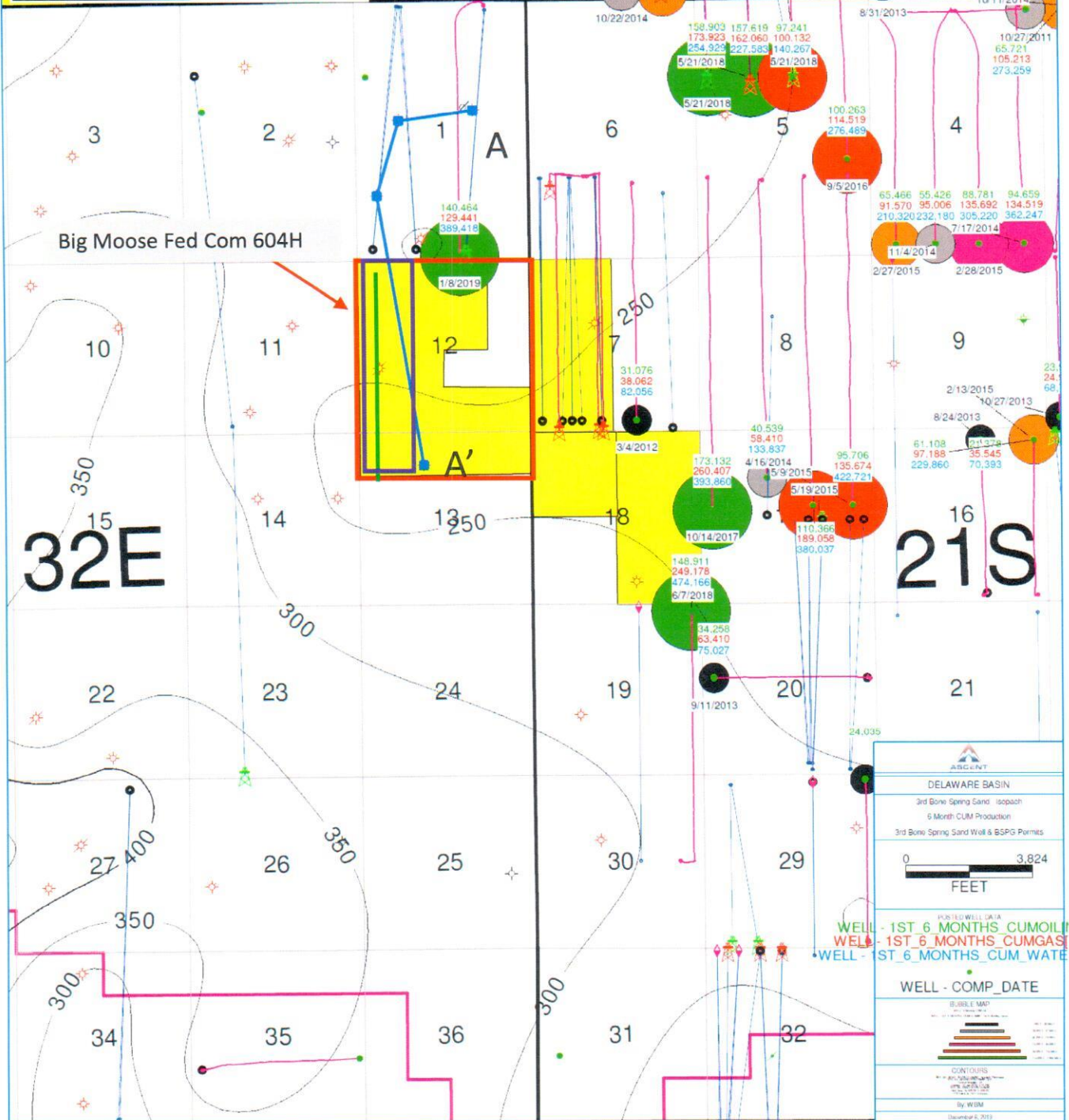
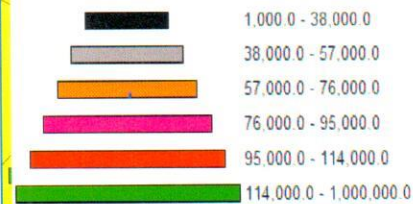
CI = 50'

December 6, 2019





WELL - 1ST\_6\_MONTHS\_CUMOIL MJW - 1st 6 Months cumoil



Approved BLM Potash Development Area

Ascent Energy, LLC



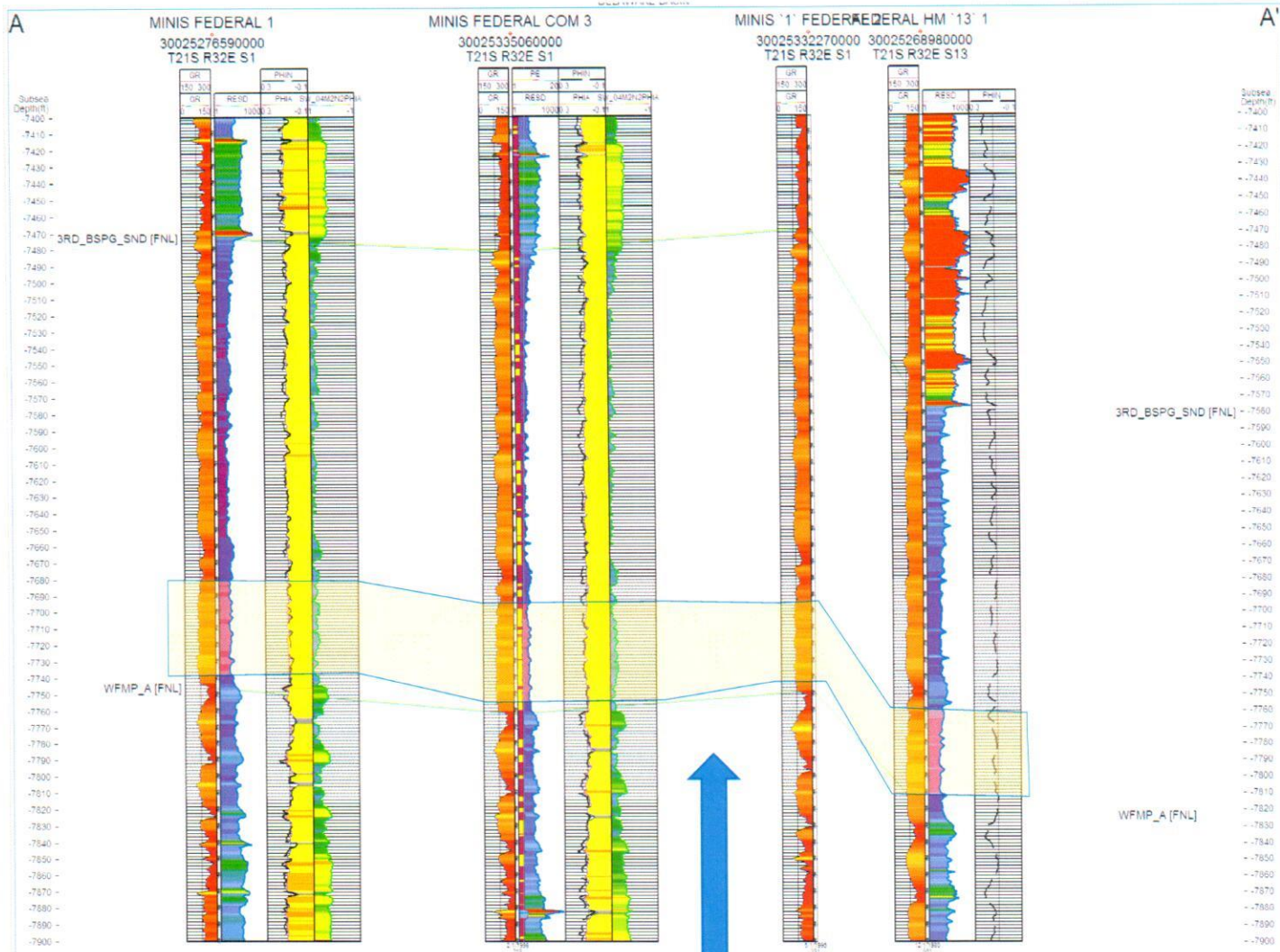
3rd Bone Spring Sand Isopach  
Producing 3rd Bone Spring Sand Wells &  
Bone Spring Permits

CI = 50'

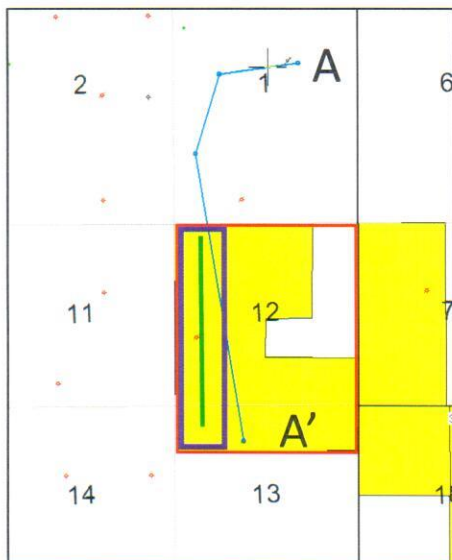
December 6, 2019







Proposed Target for:  
Big Moose Fed COM 604H



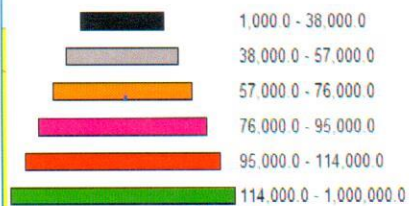
Ascent Energy, LLC
Cross Section across 3 <sup>rd</sup> Bone Spring Sand
December 6, 2019

4





WELL - 1ST\_6\_MONTHS\_CUMOIL MJW - 1st 6 Months cumoil



**DELAWARE BASIN**  
 Wolfcamp A Isopach  
 6 Month CUM Production  
 Wolfcamp A & XY Well & WFNP Permits

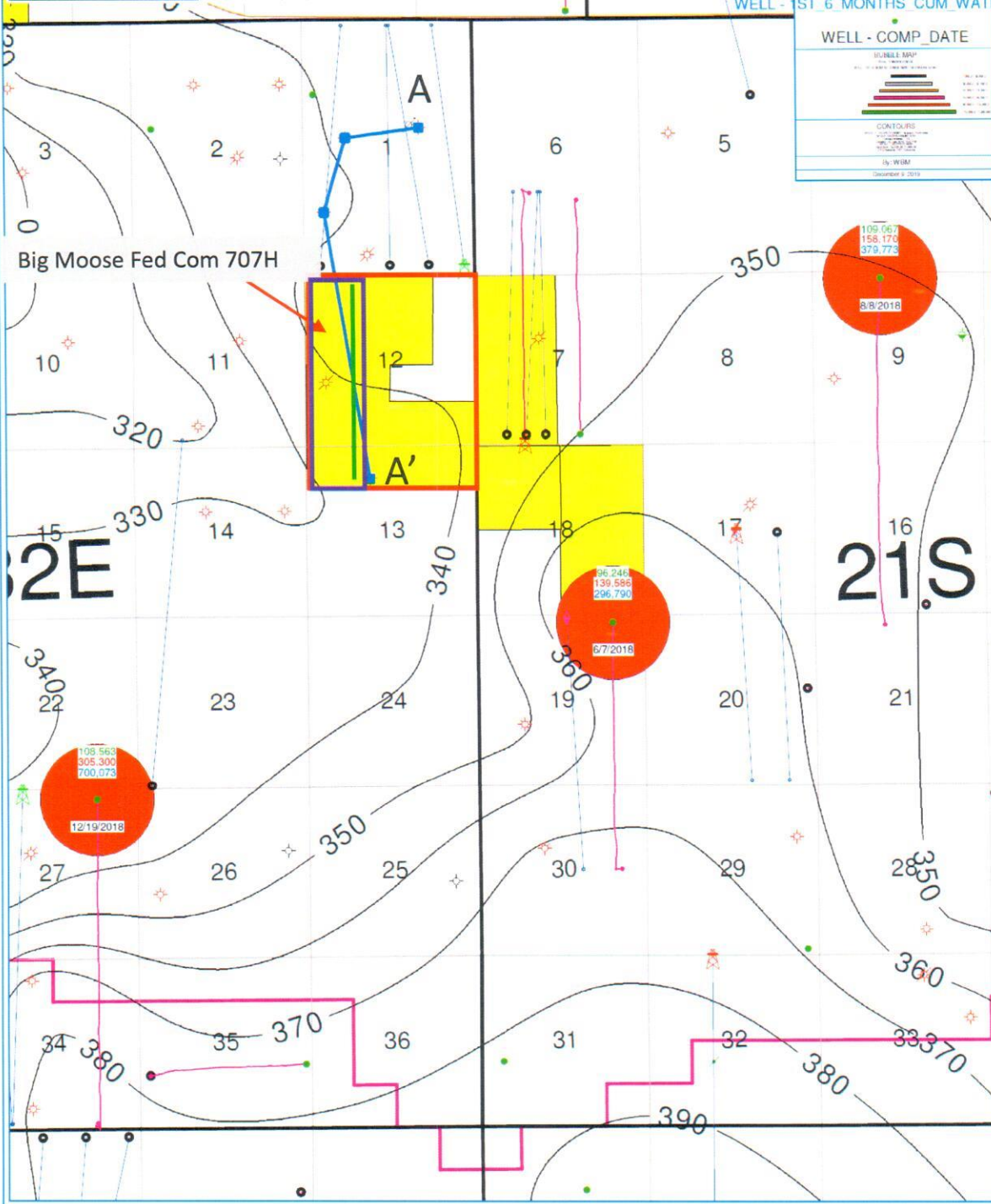
0 4,126  
FEET

POSTED WELL DATA  
 WELL - 1ST 6 MONTHS CUMOIL  
 WELL - 1ST 6 MONTHS CUMGAS  
 WELL - 1ST 6 MONTHS CUM WATER

WELL - COMP\_DATE

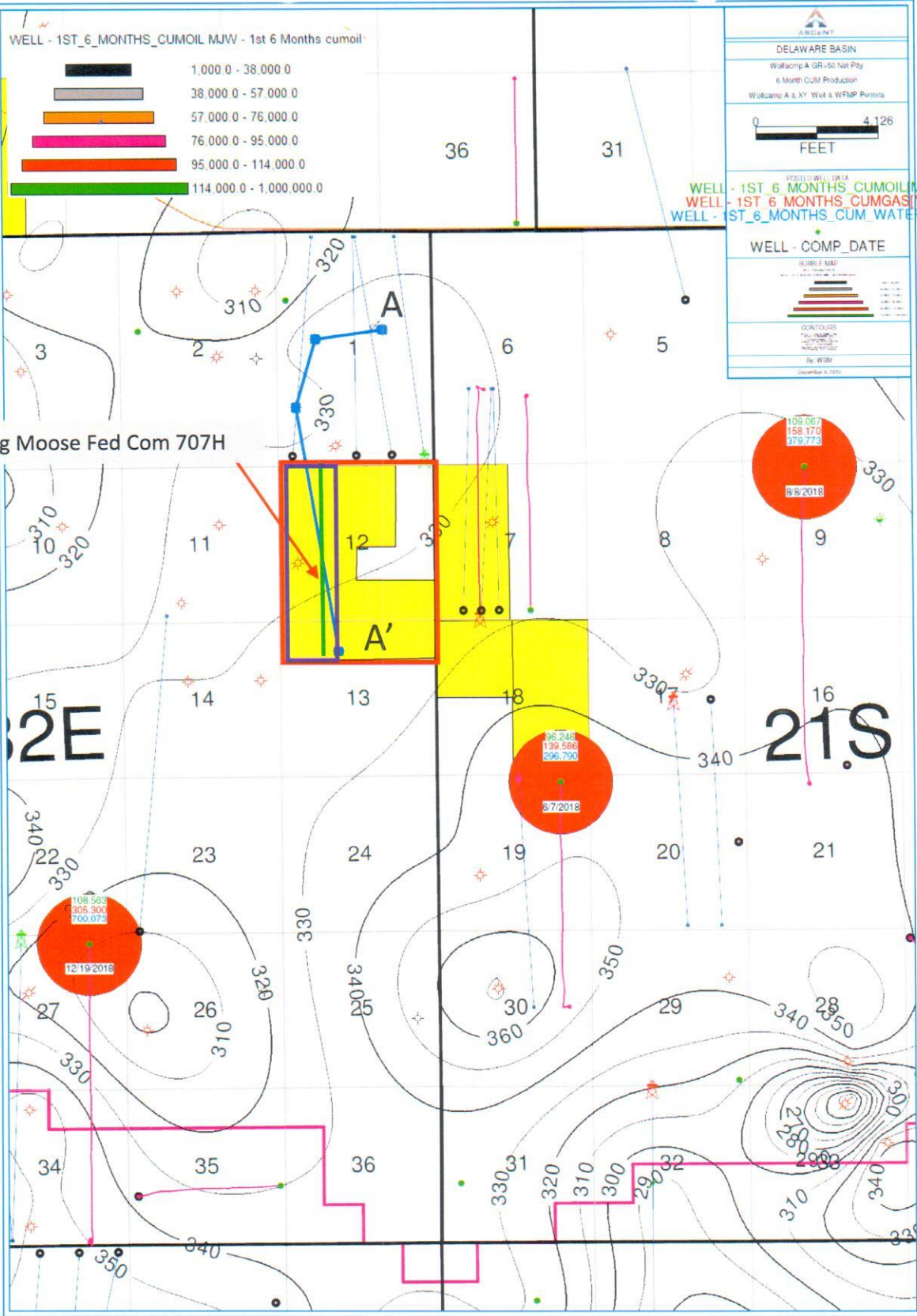
CONTOURS

By: WBM  
 December 9, 2019



Approved BLM Potash Development Area

Ascent Energy, LLC	
Wolfcamp A Isopach Producing Wolfcamp A Wells & Wolfcamp Permits	
CI = 10'	December 9, 2019



Big Moose Fed Com 707H

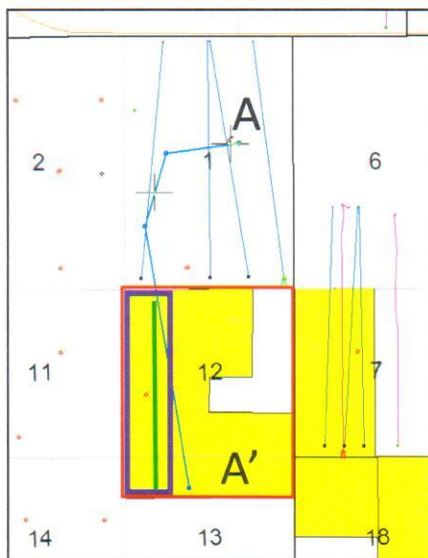
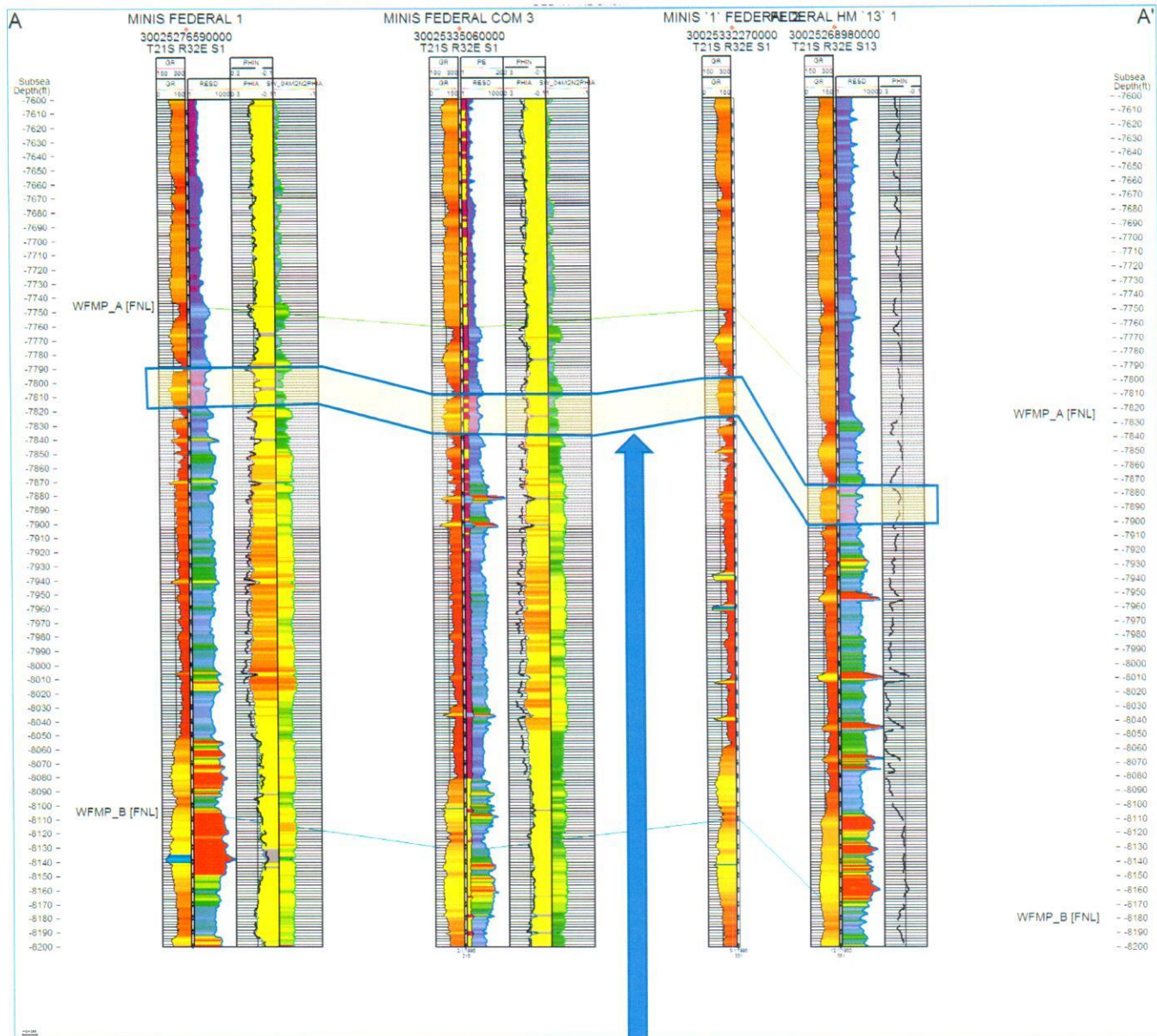


Approved BLM Potash Development Area

Ascent Energy, LLC	
Wolfcamp A GR > 50 Net Pay Producing Wolfcamp A Wells & Wolfcamp Permits	
CI = 10'	December 9, 2019

3





Ascent Energy, LLC
Cross Section across Wolfcamp A
December 9, 2019

4



Big Moose Fed Com 505H &amp; 506H Offset 2nd Bone Spring Sand Production Table

UWI (API#)	Operator	Well Label	Township	Range	Section	SPUD_DATE	COMP_DATE	FIRST_PROD_DATE	1ST_6_MONTHS_CUM_OIL_BO	1ST_6_MONTHS_CUM_GAS_MCF	1ST_6_MONTHS_CUM_WATER_GAL	CUMGAS	CUMWTR	HOR_ZONE
30025403650000	CIMAREX ENERGY CO OF COLORADO	HAT MESA 10' FEDERA 2H	21S	32E	10	1/8/2012	4/22/2012	3/1/2012	18,348	25,134	39,144	69,484	96,360	2ND BSPG S
30025405190000	ADVANCE ENERGY PARTNERS HAT MESA LLC	AO 6' STATE COM 001H	22S	33E	6	10/1/2012	12/16/2012	12/1/2012	50,668	64,626	91,929	174,242	236,306	2ND BSPG S
30025411770000	ADVANCE ENERGY PARTNERS HAT MESA LLC	COOP 6 STATE 1H	22S	33E	6	9/3/2013	2/28/2014	2/1/2014	59,872	64,820	119,877	177,571	300,752	2ND BSPG S
30025411780000	ADVANCE ENERGY PARTNERS HAT MESA LLC	DAGGER STATE UNIT 2H	21S	33E	31	1/7/2014	8/16/2014	8/1/2014	47,357	57,382	126,229	122,176	202,178	2ND BSPG S
30025417800100	OXY USA WTP LP	ANDERSON 35' 3H	21S	32E	35	7/24/2014	11/23/2014	11/1/2014	32,596	14,668	111,309	78,782	51,092	2ND BSPG S
30025420660000	MARATHON OIL PERMIAN	ABE STATE 002H	21S	33E	29	8/26/2014	1/15/2015	12/1/2014	24,035	15,955	113,886	76,897	94,952	2ND BSPG S
30025419810000	ADVANCE ENERGY PARTNERS HAT MESA LLC	COOP 6 STATE 2H	22S	33E	6	8/31/2014	1/19/2015	1/1/2015	50,725	40,539	71,461	202,872	342,514	2ND BSPG S
30025422650000	OXY USA INC	SPEAK EASY FEDERAL U 3H	22S	32E	2	12/29/2014	4/9/2015	4/1/2015	26,357	14,974	63,540	84,488	58,635	2ND BSPG S
30025429040000	COG OPERATING LLC	WARBLER STATE COM 002Y	21S	33E	28	10/31/2015	5/16/2016	5/1/2016	73,465	84,599	294,552	198,647	308,907	2ND BSPG S
30025415180000	EOG RESOURCES INC	FRUIT LOOP 29 STATE 501H	21S	33E	29	9/30/2015	6/21/2016	5/1/2016	145,520	144,676	269,927	394,926	464,167	2ND BSPG S
30025433100000	COG OPERATING LLC	WARBLER STATE COM 4H	21S	33E	16	7/7/2016	9/28/2016	9/1/2016	78,690	92,074	278,749	327,176	633,885	2ND BSPG S
30025422300000	MARATHON OIL PERMIAN LLC	ABE STATE 003H	21S	33E	32	10/11/2016	2/3/2017	2/1/2017	81,899	77,020	169,015	177,161	147,808	2ND BSPG S
30025432760000	MEWBOURNE OIL CO	BILBREY 34-27 B2NC F 001H	21S	32E	34	9/9/2016	3/23/2017	3/1/2017	110,054	125,713	457,784	271,802	278,812	2ND BSPG S
30025433020000	ADVANCE ENERGY PARTNERS HAT MESA LLC	DAGGER STATE COM 504H	21S	33E	30	7/25/2016	4/28/2017	4/1/2017	183,104	182,006	402,652	546,934	360,639	2ND BSPG S
30025438720000	MEWBOURNE OIL CO	BILBREY 34-27 B2MD F 001H	21S	32E	34	8/8/2017	11/28/2017	11/1/2017	86,672	76,524	229,849	169,069	145,030	2ND BSPG S
30025436270000	ADVANCE ENERGY PARTNERS HAT MESA LLC	DAGGER STATE COM 505H	21S	33E	30	4/28/2018	8/17/2018	10/1/2018	159,039	157,280	337,693	209,932	204,184	2ND BSPG S
30025435640000	ADVANCE ENERGY PARTNERS HAT MESA LLC	DAGGER STATE COM 506H	21S	33E	30	6/2/2018	10/3/2018	10/1/2018	80,602	50,333	225,782	116,039	66,629	2ND BSPG S
30025436290000	ADVANCE ENERGY PARTNERS HAT MESA LLC	DAGGER STATE COM 508H	21S	33E	30	6/25/2018	10/4/2018	10/1/2018	121,364	106,167	210,380	170,403	162,385	2ND BSPG S
30025450900000	MEWBOURNE OIL CO	BILBREY 34-27 B2OB F 002H	21S	32E	34	8/13/2018	12/19/2018	12/1/2018	56,178	53,226	217,062	83,149	77,638	2ND BSPG S
30025450120000	ADVANCE ENERGY PARTNERS HAT MESA LLC	AO 6 502H	22S	33E	6	9/26/2018	12/31/2018	1/1/2019	79,506	78,199	191,414	97,255	95,413	2ND BSPG S
30025450260000	ADVANCE ENERGY PARTNERS HAT MESA LLC	AO 6 STATE COM 501H	22S	33E	6	9/23/2018	12/31/2018	1/1/2019	76,847	66,715	189,290	86,470	76,057	2ND BSPG S
30025448570000	CHISHOLM ENERGY OPERATING LLC	MINIS I FED COM 2BS 011H	21S	32E	1	10/26/2018	1/8/2019	1/1/2019	68,691	71,670	219,149	86,763	85,243	2ND BSPG S

ATTACHMENT

D

Ascent Energy, LLC



2<sup>nd</sup> Bone Spring Sand Production  
Data Table

December 6, 2019



Big Moose Fed Com 604H Offset 3rd Bone Spring Sand Production Table

UWI (APINum)	Operator	Well Label	Township	Range	Section	SPUD_DATE	COMP_DATE	FIRST_PROD_DATE	1ST 6 MONTHS CUMPROD BO	1ST 6 MONTHS CUMGAS MCF	1ST 6 MONTHS CUM WATER	CUMOIL	CUMGAS	CUMWTR	HOR_ZONE
30025401300000	COG OPERATING LLC	CORAZON STATE UNIT 4H	21S	33E	4	8/11/2011	10/27/2011	10/1/2011	46,917	64,402	112,075	190,929	286,389	477,662	3RD BSPG S
30025403080000	CIMAREX ENERGY CO OF COLORADO	ADAMS STATE COM 3H	21S	33E	6	10/19/2011	3/4/2012	2/1/2012	31,076	38,062	82,056	159,787	228,188	519,595	3RD BSPG S
30025409520000	COG OPERATING LLC	CORAZON STATE UNIT 10H	21S	33E	4	11/4/2014	2/27/2015	2/1/2015	65,466	91,570	210,320	403,815	751,998	1,335,299	3RD BSPG S
30025409530000	COG OPERATING LLC	CORAZON STATE UNIT 11H	21S	33E	4	6/22/2014	11/4/2014	10/1/2014	55,426	95,006	232,180	326,492	652,610	1,194,772	3RD BSPG S
30025409540000	COG OPERATING LLC	CORAZON STATE UNIT 12H	21S	33E	4	7/24/2014	2/28/2015	2/1/2015	88,781	135,692	305,220	367,464	1,048,273	1,410,589	3RD BSPG S
30025409550000	COG OPERATING LLC	CORAZON STATE UNIT 13H	21S	33E	4	3/6/2014	7/17/2014	7/1/2014	94,659	134,519	362,247	334,393	605,998	1,172,345	3RD BSPG S
30025410490100	COG OPERATING LLC	BOONE 16 STATE COM 2H	21S	33E	16	6/10/2013	8/24/2013	8/1/2013	21,378	35,545	70,393	101,325	126,880	326,603	3RD BSPG S
30025410800100	ADVANCE ENERGY PARTNERS HAT MESA LLC	CROCKETT STATE 2H	21S	33E	20	5/19/2013	9/11/2013	8/1/2013	34,258	63,410	75,027	120,518	255,200	302,340	3RD BSPG S
30025411060000	COG OPERATING LLC	GOOSE STATE 1H	20S	34E	32	6/5/2013	8/31/2013	8/1/2013	35,838	33,326	114,670	189,429	229,119	682,163	3RD BSPG S
30025412000000	COG OPERATING LLC	BOONE 16 STATE COM 1H	21S	33E	16	10/11/2014	2/13/2015	2/1/2015	61,108	97,188	229,860	167,725	280,571	499,191	3RD BSPG S
30025412010000	COG OPERATING LLC	GOOSE STATE COM 2H	20S	34E	32	1/3/2016	9/5/2016	6/1/2016	100,263	114,519	276,489	615,067	720,423	1,722,968	3RD BSPG S
30025412980000	COG OPERATING LLC	BECKNELL STATE COM 1H	21S	33E	5	9/26/2014	5/9/2015	4/1/2015	95,706	135,674	422,721	444,770	1,106,538	1,792,393	3RD BSPG S
30025412990000	COG OPERATING LLC	BECKNELL STATE COM 3H	21S	33E	5	12/31/2013	4/16/2014	3/1/2014	40,539	58,410	133,837	127,213	206,163	518,529	3RD BSPG S
30025413230000	COG OPERATING LLC	BECKNELL STATE COM 2H	21S	33E	5	12/24/2014	5/19/2015	5/1/2015	110,366	189,058	380,037	497,789	1,200,148	1,813,565	3RD BSPG S
30025415620000	EOG RESOURCES INC	TANGO BTP STATE COM 4H	20S	33E	36	5/10/2014	10/22/2014	10/1/2014	50,766	58,601	118,162	301,017	443,289	957,600	3RD BSPG S
30025430540000	EOG RESOURCES INC	DELLA 29 FEDERAL COM 602H	20S	34E	29	7/14/2016	12/6/2016	11/1/2016	149,894	170,130	298,314	365,671	397,525	706,048	3RD BSPG S
30025434150000	XTO ENERGY INC	SEVERUS 31 FEDERAL C 001H	20S	34E	30	10/16/2017	5/21/2018	6/1/2018	97,241	100,132	140,267	195,577	177,554	263,942	3RD BSPG S
30025434160000	XTO ENERGY INC	SEVERUS 31 FEDERAL C 002H	20S	34E	30	11/30/2017	5/21/2018	6/1/2018	157,619	162,060	227,583	292,104	294,001	392,570	3RD BSPG S
30025434170000	XTO ENERGY INC	SEVERUS 31 FEDERAL C 003H	20S	34E	30	1/8/2018	5/21/2018	6/1/2018	158,903	173,923	254,929	303,906	305,661	422,564	3RD BSPG S
30025434180000	XTO ENERGY INC	SEVERUS 31 FEDERAL C 004H	20S	34E	30	1/9/2018	5/21/2018	7/1/2018	65,860	70,484	100,267	138,356	150,557	184,083	3RD BSPG S
30025438560000	COG OPERATING LLC	BECKNELL STATE COM 004H	21S	33E	5	7/2/2017	10/14/2017	10/1/2017	173,132	260,407	393,860	522,507	918,553	1,247,474	3RD BSPG S
30025444070000	ADVANCE ENERGY PARTNERS HAT MESA LLC	DAGGER STATE COM 604H	21S	33E	30	4/3/2018	6/7/2018	6/1/2018	148,911	249,178	474,166	113,434	173,230	367,728	3RD BSPG S
30025444740000	EOG RESOURCES INC	DELLA 29 FEDERAL COM 603H	20S	34E	29	1/6/2019	7/26/2019	7/1/2019				17,840	18,704	92,657	3RD BSPG S
30025444750000	EOG RESOURCES INC	DELLA 29 FEDERAL 604H	20S	34E	29	12/19/2018	7/26/2019	7/1/2019				33,774	36,305	100,381	3RD BSPG S
30025444760000	EOG RESOURCES INC	DELLA 29 FEDERAL 605H	20S	34E	29	12/21/2018	8/6/2019	8/1/2019				29,023	36,344	83,280	3RD BSPG S
30025444770000	EOG RESOURCES INC	DELLA 29 FEDERAL 606H	20S	34E	29	12/6/2018	8/9/2019	8/1/2019				19,105	24,752	69,143	3RD BSPG S
30025448560000	CHISHOLM ENERGY OPERATING LLC	MINIS 1 FEDERAL COM 007H	21S	32E	1	8/21/2018	1/8/2019	1/1/2019	140,464	129,441	389,418	170,755	145,503	449,319	3RD BSPG S
30025451000000	COG OPERATING LLC	LITTLE BEAR FEDERAL 004H	20S	34E	33	10/28/2018	6/23/2019	6/1/2019				41,435	55,667	159,219	3RD BSPG S

Ascent Energy, LLC

3<sup>rd</sup> Bone Spring Sand Production  
Data Table

December 6, 2019

2

Big Moose Fed Com 707H Offset Wolfcamp A and XY Sand Production Table																
UWI (API Num)	Operator	Well Label	Township	Range	Section	SPUD_DATE	COMP_DATE	FIRST_PROD_DATE	1ST_6_MONTHS_CUMOIL BO	1ST_6_MONTHS_CUMGAS MCF	1ST_6_MONTHS_CUM_WATER	CUMOIL	CUMGAS	CUMWTR	HOR_ZONE	
30025435530000	COG OPERATING LLC	BOONE 16 STATE COM 003H	21S	33E	21	4/23/2018	8/8/2018	8/1/2018	109,067	158,170	379,773	174,521	277,400	604,895	WCA	
30025435650000	ADVANCE ENERGY PARTNERS HAT MESA LLC	DAGGER STATE COM 701H	21S	33E	30	2/23/2018	6/7/2018	6/1/2018	96,246	139,586	296,790	214,732	423,243	736,342	WCXY	
30025450080000	MEWBOURNE OIL CO	BILBREV 34-27 W2PA F 001H	21S	32E	34	9/16/2018	12/19/2018	12/1/2018	108,563	305,300	700,073	161,872	460,832	1,029,776	WCA	

Ascent Energy, LLC
Wolfcamp A & XY Sands Production Data Table
December 9, 2019





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

**APPLICATION OF ASCENT ENERGY, LLC  
FOR COMPULSORY POOLING, LEA COUNTY,  
NEW MEXICO.**

**Case No. 20957**

**APPLICATION OF ASCENT ENERGY, LLC  
FOR COMPULSORY POOLING, LEA COUNTY,  
NEW MEXICO.**

**Case No. 20958**

**SELF-AFFIRMED STATEMENT OF NOTICE**

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

James Bruce 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 application filed herein.
4. Notice of the application was provided to the interest owners, at their last known addresses, by certified mail. Copies of the notice letter and certified return receipts are attached hereto as Attachment A.
5. Ascent Energy, LLC has complied with the notice provisions of Division Rules.
6. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 5 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Date: 12/11/19

  
James Bruce

EXHIBIT 3

**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)

November 21, 2019

CERTIFIED MAIL

To: Persons on Exhibit A

Ladies and gentlemen:

Enclosed are copies of two applications for compulsory pooling, filed with the New Mexico Oil Conservation Division by Ascent Energy, LLC, regarding:

1. Case No. 20957, for three Bone Spring wells in the W/2W/2 of Section 12 and NW/4NW/4 of Section 13; and
2. Case No. 20958, for one Wolfcamp well in the W/2W/2 of Section 12 and NW/4NW/4 of Section 13,

All in Township 21 South, Range 33 East, NMPM, Lea County, New Mexico.

These matters are scheduled for hearing at 8:15 a.m. on December 12, 2019, 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, December 5, 2019. 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 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.

ATTACHMENT

A



Very truly yours,

  
James Bruce

Attorney for Ascent Energy, LLC

Exhibit A

Chevron Midcontinent, Inc.  
6301 Deauville Blvd.  
Midland, Texas 79706

Advance Energy Partners, LLC  
Advance Energy Hat Mesa, LLC  
11490 Westheimer Road, Suite 950  
Houston, Texas 77077

Bullhead Energy, LLC  
3629 Lovell Ave., Suite 200  
Fort Worth, Texas 76107



## Domestic Return Receipt

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HOUSTON, TX 77077

**Get Updates** ✓**Text & Email Updates****Tracking History****Product Information**

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<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	Advance Energy Partners, LLC
Street and Apt.	Advance Energy Hat Mesa, LLC
	11490 Westheimer Road, Suite 950
City, State, ZIP+4	Houston, Texas 77077

Postmark Here

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

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**FAQs**



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JAMES BRUCE  
JAMES BRUCE, ATTORNEY AT LAW  
P.O. BOX 1056  
SANTA FE, NM 87504

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Date: 11/21/2019  
Ad #: 00236302  
Salesperson: HA Ad Taker: Kayla

Class: 672

Ad Notes:

Sort Line: 34897 CASE NO. 20957

Description	Amount
AFF2 Affidavits (Legals)	6.25
BOLD bold	1.00
	6.92
07 07 Daily News-Sun 2019-11-23	94.38

EXHIBIT 4

## Ad Text:

LEGAL NOTICE  
NOVEMBER 23, 201

## Payment Reference:

null

To: Bullhead Energy, LLC, Chevron Midcontinent, Inc., Advance Energy Partners, LLC, and Advance Energy Hat Mesa, LLC, or your successors or assigns: Ascent Energy, LLC has filed the following applications with the New Mexico Oil Conservation Division:

Case No. 20957: Ascent Energy, LLC seeks an order pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit comprised of the W/2W/2 of Section 12 and the NW/4NW/4 of Section 13, Township 21 South, Range 32 East,

Total: 101.63  
Tax: 6.92  
Net: 108.55  
Prepaid: null

Total Due 108.55

**LEGAL NOTICE**  
**NOVEMBER 23, 201**

To: Bullhead Energy, LLC, Chevron Midcontinent, Inc., Advance Energy Partners, LLC, and Advance Energy Hat Mesa, LLC, or your successors or assigns: Ascent Energy, LLC has filed the following applications with the New Mexico Oil Conservation Division:

**Case No. 20957:** Ascent Energy, LLC seeks an order pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit comprised of the W/2W/2 of Section 12 and the NW/4NW/4 of Section 13, Township 21 South, Range 32 East, NMPM. The unit will be dedicated to the Big Moose Fed. Com. Well Nos. 505H, 506H, and 604H, with first take points in the NW/4NW/4 of Section 12 and last take points in the NW/4NW/4 of Section 13. The wellbore of the Big Moose Fed. Com. Well No. 505H will be located 1254 feet from the west line of Sections 12 and 13, and applicant requests approval of the unorthodox location.

**Case No. 20958:** Ascent Energy, LLC seeks an order pooling all mineral interests in the Wolfcamp formation underlying a horizontal spacing unit comprised of the W/2W/2 of Section 12 and the NW/4NW/4 of Section 13, Township 21 South, Range 32 East, NMPM. The unit will be dedicated to the Big Moose Fed. Com. Well No. 707H, with a first take point in the NW/4NW/4 of Section 12 and a last take point in the NW/4NW/4 of Section 13. Also to be considered will be the cost of drilling and completing the well and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a 200% charge for the risk involved in drilling and completing the well.

Also to be considered will be the cost of drilling and completing the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a 200% charge for the risk involved in drilling and completing the wells. The applications are scheduled to be heard at 8:15 a.m. on Thursday, December 12, 2019 at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. As an interest owner in the well units, you have the right to enter an appearance and participate in the cases. Failure to appear will preclude you from contesting these matters at a later date. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504. The units are located approximately 6 miles southeast of Halfway, New Mexico.

**#34897**