

**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. 16484

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

Case No. 16486

VERIFIED STATEMENT OF LEE ZINK

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

1. I am a landman 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 NMAC 19.15.4.12.A(1), 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 Gavilon 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) A plat outlining the Bone Spring unit being pooled in Case 16484 is attached hereto as Attachment B. Ascent seeks an order pooling all mineral interests in the Bone formation underlying the W/2E/2 of Section 28 and the W/2E/2 of Section 33, Township 20 South, Range 33 East, NMPM. The unit will be dedicated to:

EXHIBIT /

- (i) the Gavilon Fed Com Well No. 506H, a Second Bone Spring test; and
- (ii) the Gavilon Fed Com Well No. 604H, a Third Bone Spring test.

They are horizontal wells with first and last take points set forth in the C-102s included in the geologist's affidavit. The wells will comply with Division setback requirements.

The parties being pooled and their interests are set forth in Attachment B.

(e) A plat outlining the Wolfcamp unit being pooled in Case 16486 is attached hereto as Attachment C. Ascent seeks an order pooling all mineral interests in the Wolfcamp formation underlying the W/2E/2 of Section 28 and the W/2E/2 of Section 33, Township 20 South, Range 33 East, NMPM. The unit will be dedicated to:

- (i) the Gavilon Fed Com Well No. 707H, a lower Wolfcamp A test; and
- (ii) the Gavilon Fed Com Well No. 708H, a upper Wolfcamp X Sand test.

They are horizontal wells with first and last take points set forth in the C-102s included in the geologist's affidavit. The wells will comply with Division setback requirements.

The parties being pooled and their interests are set forth in Attachment C.

(f) There are no depth severances in the Bone Spring and Wolfcamp formations.

(g) Attachment D is a well proposal sent to the parties being pooled. Similar letters were sent to all other working interest owners. Ascent has had numerous contacts with all interest owners.

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

(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 Lea 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 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 wells.

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

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

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

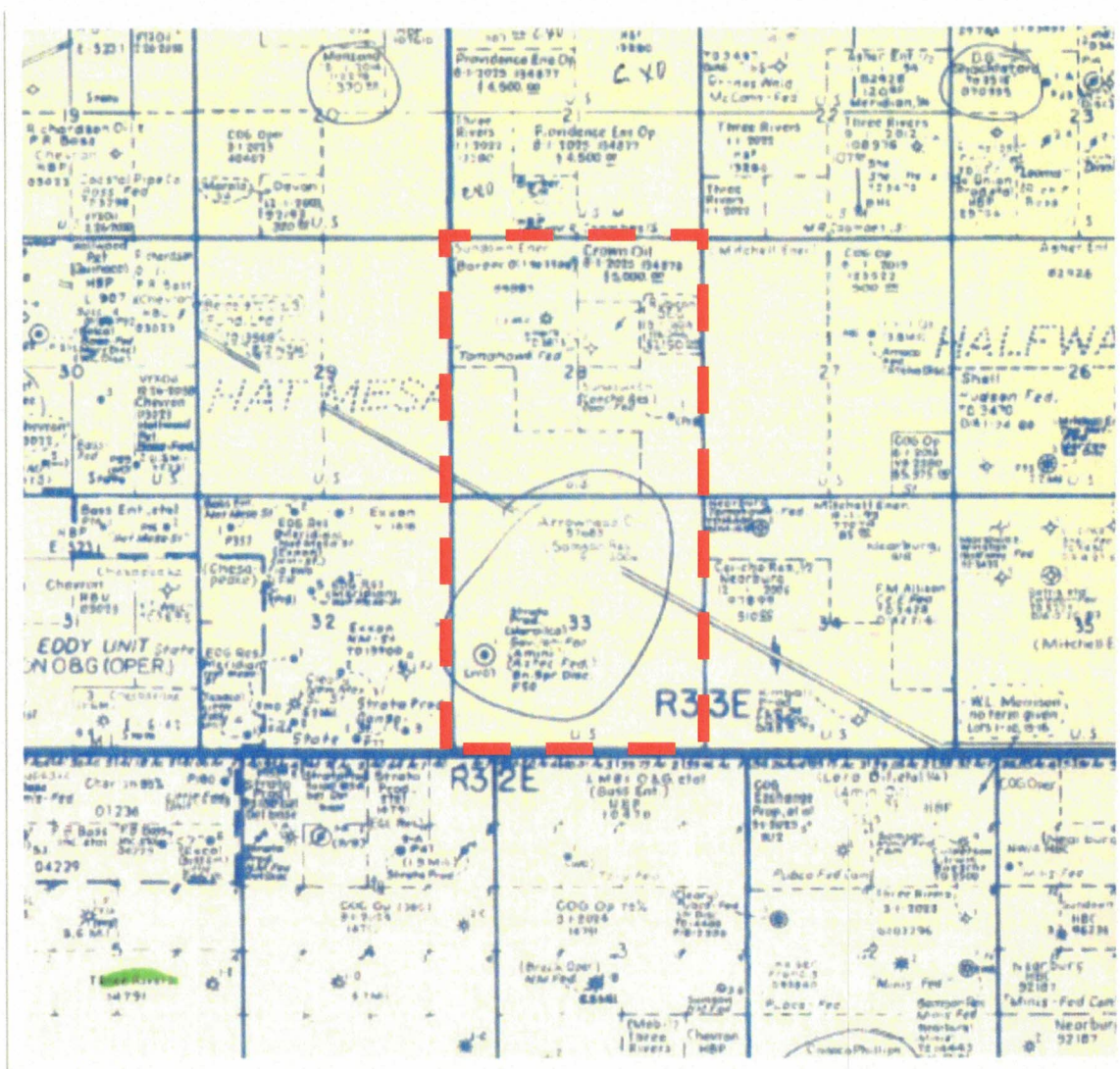
Lee Zink

9/11

Notary Public

3

Gavilon Development Area
 Township 20 South, Range 33 East
 Section 28: All
 Section 33: All
 1,280.00 Gross Acres
 Lea County, NM



Gavilon Development Area

ATTACHMENT

A

Ascent Energy, LLC



Exhibit

Midland Map
T20S-R33E

Case No.

Township 20 South, Range 33 East

Section 28: W2E2

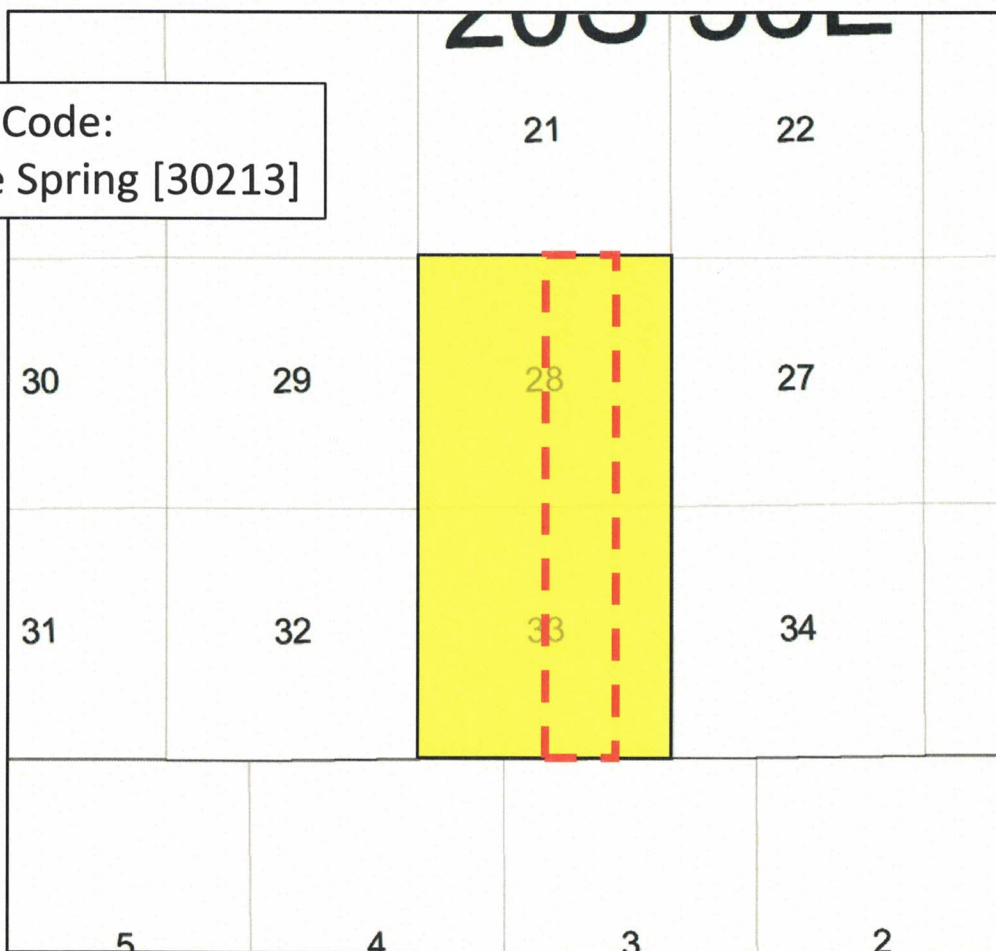
Section 33: W2E2

320.00 Gross Acres

Lea County, NM

Case No.

Pool Code:
Bone Spring [30213]



Working Interest for:

Gavilon Fed Com #506H

Gavilon Fed Com #604H

Ascent Energy LLC: 46.09%

Marathon Oil Permian: 25.00%

XTO Holdings LLC: 12.50%

Advance Energy Partners LLC 12.50%

COG Operating LLC: 3.13%

John Benedict: 00.78%

Total: 100.00%



Pooling Unit

Sec. 28: W2E2

Sec. 33: W2E2

320.00 Gross Acres

Ascent Energy, LLC



Exhibit

Ascent Energy Pooling Unit Map

Case No.

ATTACHMENT

B

Township 20 South, Range 33 East

Section 28: W2E2

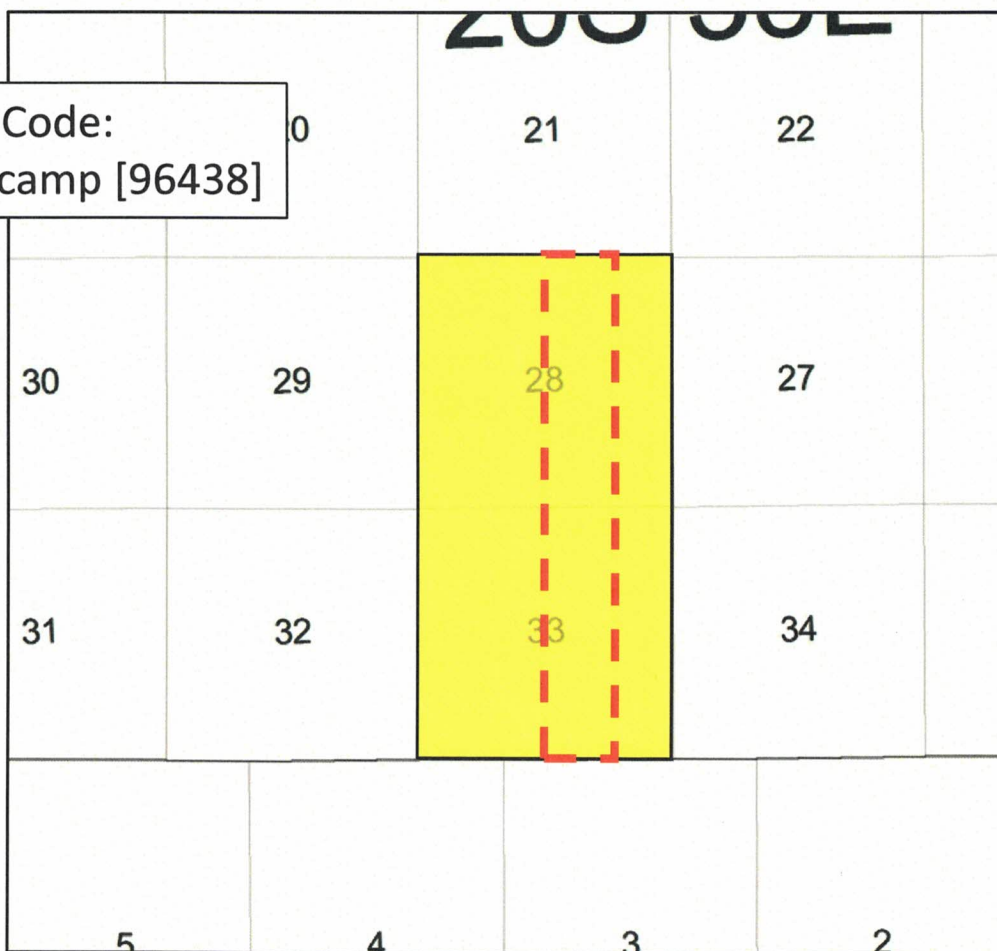
Section 33: W2E2

320.00 Gross Acres

Lea County, NM

Case No.

Pool Code:
Wolfcamp [96438]



Working Interest for:

Gavilon Fed Com #707H

Gavilon Fed Com #708H

Ascent Energy LLC: 46.09%

Marathon Oil Permian: 25.00%

XTO Holdings LLC: 12.50%

Advance Energy Partners LLC 12.50%

COG Operating LLC: 3.13%

John Benedict: 0.78%

Total: 100.00%



Pooling Unit

Sec. 28: W2E2

Sec. 33: W2E2

320.00 Gross Acres

Ascent Energy, LLC



Exhibit _____

Ascent Energy Pooling Unit Map

Case No.

ATTACHMENT C



July 31, 2018

Marathon Oil Permian LLC
5555 San Felipe Street
Houston, Texas 77056
Attn: Mr. Matt Brown

RE: Gavilon Development Area
T20S-R30E
Sec. 28: W2E2
Sec. 33: W2E2
320 Gross Acres, more or less
Lea County, New Mexico

ATTACHMENT *P*

Dear Working Interest Owner:

Ascent Energy, LLC ("Ascent") hereby proposes the drilling, completing and equipping the following wells to Marathon Oil Permian LLC ("Marathon") located in Sections 28 and 33 of T20S-R33E, Lea County, New Mexico (the "Wells").

- 1) Gavilon Fed Com #506H (the "506H Well") to test the Bone Spring formation at a total vertical depth of 10,537' and a total measured depth of 21,164'. The proposed surface location of the 506H Well is 290' FSL, 1,781' FEL, T20S-R33E Sec. 33 with a bottom hole location of 100' FNL, 2,178' FEL, T20S-R33E Sec. 28.

The estimated cost associated with the 506H Well is \$9,278,660, as outlined in the enclosed Authority for Expenditure dated July 31, 2018. Ascent's records indicate that Marathon owns a 25% working interest in the 506H Well, and Marathon's estimated costs is approximately \$2,319,665.

- 2) Gavilon Fed Com #604H (the "604H Well") to test the Bone Spring formation at a total vertical depth of 11,401' and a total measured depth of 22,028'. The proposed surface location of the 604H Well is 290' FSL, 1,806' FEL, T20S-R33E Sec. 33 with a bottom hole location of 100' FNL, 2,310' FEL, T20S-R33E Sec. 28.

The estimated cost associated with the 604H Well is \$9,373,200, as outlined in the enclosed Authority for Expenditure dated July 31, 2018. Ascent's records indicate that Marathon owns a 25% working interest in the 604H Well, and Marathon's estimated costs is approximately \$2,343,300.

- 3) Gavilon Fed Com #707H (the "707H Well") to test the Wolfcamp formation at a total vertical depth of 11,688' and a total measured depth of 22,315'. The proposed surface location of the 707H Well is 290' FSL, 1,831' FEL, T20S-R33E Sec. 33 with a bottom hole location of 100' FNL, 2,310' FEL, T20S-R33E Sec. 28.

July 31, 2018
Gavilon Development Area
Page 2 of 4

The estimated cost associated with the 707H Well is \$9,955,681, as outlined in the enclosed Authority for Expenditure dated July 20, 2018. Ascent's records indicate that Marathon owns a 25% working interest in the 707H Well, and Marathon's estimated costs is approximately \$2,488,920.

- 4) Gavilon Fed Com #708H (the "708H Well") to test the Wolfcamp formation at a total vertical depth of 11,509' and a total measured depth of 22,136'. The proposed surface location of the 708H Well is 290' FSL, 1,706' FEL, T20S-R33E Sec. 33 with a bottom hole location of 100' FNL, 1,650' FEL, T20S-R33E Sec. 28.

The estimated cost associated with the 708H Well is \$9,870,392, as outlined in the enclosed Authority for Expenditure dated July 31, 2018. Ascent's records indicate that Marathon owns a 25% working interest in the 708H Well, and Marathon's estimated costs is approximately \$2,467,598.

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

- Contract Area:
Township 20 South, Range 33 East
Section 28: W2E2
Section 33: W2E2
- Ascent named as Operator
- 100%/300%/300% non-consent penalties
- \$8,000.00/\$800.00 drilling and producing overhead rates

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

July 31, 2018
Gavilon Development Area
Page 3 of 4

Ascent looks forward to working with Marathon 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.

Very Truly Yours,



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

Enclosure(s): Gavilon Fed Com #506H AFE
Gavilon Fed Com #604H AFE
Gavilon Fed Com #707H AFE
Gavilon Fed Com #708H AFE
Draft 2015 Horizontal AAPL Form 610 Operating Agreement (email only)

July 31, 2018
Gavilon Development Area
Page 4 of 4

Well Election(s)

____ Marathon hereby elects to participate in the proposed Gavilon Fed Com 506H by paying its proportionate share of the costs outlined on the associated AFE.

____ Marathon hereby elects not to participate in the proposed Gavilon Fed Com 506H.

____ Marathon hereby elects to participate in the proposed Gavilon Fed Com 604H by paying its proportionate share of the costs outlined on the associated AFE.

____ Marathon hereby elects not to participate in the proposed Gavilon Fed Com 604H.

____ Marathon hereby elects to participate in the proposed Gavilon Fed Com 707H by paying its proportionate share of the costs outlined on the associated AFE.

____ Marathon hereby elects not to participate in the proposed Gavilon Fed Com 707H.

____ Marathon hereby elects to participate in the proposed Gavilon Fed Com 708H by paying its proportionate share of the costs outlined on the associated AFE.

____ Marathon hereby elects not to participate in the proposed Gavilon Fed Com 708H.

Working Interest Owner:

Marathon Oil Permian LLC

By: _____

Title: _____

Date: _____

Ascent Energy, LLC

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE (AFE)

COST CENTER	Gavilon Fed Com 506H	BUD YEAR	2018	DATE	July 31, 2018
AFE NO.		CATEGORY	D&C	SUPPLEMENT NO.	
FIELD	Hat Mesa	REGION	Delaware Basin	LEGAL:	20S 33E
OPERATOR	Ascent Energy, LLC	WELL NO.		W.I.	
OBJECTIVE	2nd Bona Spring	STATE	NM	MD/TVD	+/-21,164/10,537'

ESTIMATED PROJECT START DATE: 1Q2019

DESCRIPTION: Drill a 10,360' lateral in the 2nd Bona Spring and frac with 62 stages. Assumes 4 string design.

INTANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	TOTAL WELL COST
8305 101	Location Cleanup & Damages			\$125,000	\$125,000
8305 102	Rig Move - MIRU, RDMO			\$100,000	100,000
8305 103	Rig Contractor-Daywork/FT			\$696,000	696,000
8305 104	Rig Contractor-Turnkey				0
8305 105	Power & Fuel			\$130,000	130,000
8305 106	Drill Fluids & Chemicals			\$125,000	125,000
8305 107	Bits, Reamer, Stabilizers			\$105,000	105,000
8305 108	Cement & Cementing Services			\$210,000	210,000
8305 109	Mud Logging			\$80,000	80,000
8305 110	Open Hole Logging			\$30,000	30,000
8305 111	Csg Crews & Tools			\$95,000	95,000
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			\$330,000	330,000
8305 117	Contract Labor & Services			\$125,000	125,000
8305 118	Wellsite Consultants			\$116,000	116,000
8305 119	Company Supervision & Labor				0
8305 120	Transportation			\$20,000	20,000
8305 121	Mud/Cuttings & Water Disposal			\$80,000	80,000
8305 122	Insurance			\$40,410	40,410
8305 123	Overhead			\$25,000	25,000
8305 124	Water & Water Well			\$50,000	50,000
8305 125	Unanticipated MfrExp (Fishing)				0
8305 126	Legal			\$50,000	50,000
8305 127	Outside Operated Other				0
8305 128	Permits			\$20,000	20,000
8305 129	Environmental & Safety			\$20,000	20,000
8305 130	Plugging				0
	SUBTOTAL			\$2,802,410	\$2,802,410
8305 199	CONTINGENCY (%) 0.00%			0	0
	SUB-TOTAL INTANGIBLE DRILLING COSTS			\$2,802,410	\$2,802,410

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			275,000	275,000
8306 208	Directional Tools & Svcs				0
8306 209	Formation Stimulatin Acid Frac			3,500,000	3,500,000
8306 210	Formation Evaluation				0
8306 211	Tubular Inspection				0
8306 212	Equipment Rentals			200,000	200,000
8306 213	Contract Labor & Services				0
8306 214	Wellsite Consultant			120,000	120,000
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			641,250	641,250
8306 221	Unanticipated MajExp Fishing				0
8306 222	Coil Tubing Services			95,000	95,000
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				0
8306 227	Plugging				0
8306 228	Completion Rig			30,000	30,000
	SUBTOTAL			\$5,076,250	\$5,076,250
8306 299	CONTINGENCY (%) 0.00%			0	0
	SUB-TOTAL INTANGIBLE COMPLETION COSTS			\$5,076,250	\$5,076,250
	SUB-TOTAL INTANGIBLE COSTS			\$2,802,410	\$7,878,660

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	Intermediate Casing	\$ -	0	\$150,000	150,000
8308 305	Subs Fit Eqpt 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

TANGIBLE COMPLETION COSTS						
ACCT.	DESCRIPTION	Rate	Units		COMPLETION	TOTAL WELL COST
8309 401	Production Casing	\$ -	0			
8309 402	Tubing	\$ -	0		340,000	\$340,000
8309 403	Subs Flt Eqpt Centralizers Etc				40,000	40,000
8309 404	Sub Surface Equipment					0
8309 405	Xmas Tree Upper Section				30,000	30,000
8309 406	Outside Operated Other				60,000	60,000
						0
	SUB-TOTAL TANGIBLE COMPLETION COSTS				\$470,000	\$470,000
	SUB-TOTAL TANGIBLE COSTS			\$405,000	\$470,000	\$875,000
	SUB-TOTAL INTANGIBLE & TANGIBLE COSTS			\$3,207,410	\$5,546,250	\$8,753,660
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					0
8311 505	Oil Treating Heating Equipment				50,000	50,000
8311 506	Gas Treating Dehy Equipment					0
8311 507	Tanks					0
8311 508	Meters				70,000	70,000
8311 509	Electrical Equip Install				55,000	55,000
8311 510	Compressor				20,000	20,000
8311 511	Flowlines					0
8311 512	Labor				50,000	50,000
8311 513	Trucks Hauling Transportation				130,000	130,000
8311 514	Buildings					0
8311 515	Roads & Locations					0
8311 516	Manifolds & Headers				10,000	10,000
8311 517	Chemical Injection System				15,000	15,000
8311 518	Piping & Valves					0
8311 519	Welding				50,000	50,000
8311 520	Surface Pumps					0
8311 521	Filters				5,000	5,000
8311 522	Outside Operated Other					0
8311 523	Environmental & Safety					0
8311 524	Engineering Supervision				10,000	10,000
8311 525	Surface Facilities				30,000	30,000
					15,000	15,000
	SUB-TOTAL PRODUCTION EQUIPMENT				\$525,000	\$525,000
	SUB-TOTAL INTANGIBLE COSTS (PAGE 1)			\$2,802,410	\$5,076,250	\$7,878,660
	SUB-TOTAL TANGIBLE COSTS (PAGE 2)			\$405,000	\$470,000	\$875,000
	GRAND TOTAL			\$3,207,410	\$6,071,250	\$9,278,660
	LESS OUTSIDE INTERESTS			\$3,207,410	\$6,071,250	\$9,278,660
	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	\$3,207,410
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	Gavilon Fed Com 604H	BUD YEAR	2018	DATE	July 31, 2018
AFE NO.		CATEGORY	D&C	SUPPLEMENT NO.	
FIELD	Hat Mesa	REGION	Delaware Basin	LEGAL:	205 33E
OPERATOR	Ascent Energy, LLC	WELL NO.		W.I.	
OBJECTIVE	3rd Bone Spring	STATE	NM	MD/TVD	+/-22,028/11,401'
ESTIMATED PROJECT START DATE: 1Q2019					
DESCRIPTION: Drill a 10,360' lateral in the 3rd Bone Spring and frac with 62 stages. Assumes 4 string design.					

INTANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	TOTAL WELL COST
8305 101	Location Cleanup & Damages			\$125,000	\$125,000
8305 102	Rig Move - MIRU, RDMO			\$100,000	100,000
8305 103	Rig Contractor-Daywork/FT			\$720,000	720,000
8305 104	Rig Contractor-Turnkey				0
8305 105	Power & Fuel			\$140,000	140,000
8305 106	Drill Fluids & Chemicals			\$135,000	135,000
8305 107	Bits, Reamer, Stabilizers			\$110,000	110,000
8305 108	Cement & Cementing Services			\$215,000	215,000
8305 109	Mud Logging			\$82,000	82,000
8305 110	Open Hole Logging			\$30,000	30,000
8305 111	Csg Crews & Tools			\$100,000	100,000
8305 112	Directional Tools & Service			\$220,000	220,000
8305 114	Form Eval - Well Testing DST - Coring, Sampling				0
8305 115	Tubular Inspection			\$20,000	20,000
8305 116	Equipment Rentals			\$340,000	340,000
8305 117	Contract Labor & Services			\$135,000	135,000
8305 118	Wellsite Consultants			\$120,000	120,000
8305 119	Company Supervision & Labor				0
8305 120	Transportation			\$20,000	20,000
8305 121	Mud Cuttings & Water Disposal			\$90,000	90,000
8305 122	Insurance			\$41,950	41,950
8305 123	Overhead			\$25,000	25,000
8305 124	Water & Water Well			\$55,000	55,000
8305 125	Unanticipated MirExp (Fishing)				0
8305 126	Legal			\$50,000	50,000
8305 127	Outside Operated Other				0
8305 128	Permits			\$20,000	20,000
8305 129	Environmental & Safety			\$20,000	20,000
8305 130	Plugging				0
	SUBTOTAL			\$2,913,950	\$2,913,950
8305 199	CONTINGENCY (%) 0.00%			0	0
	SUB-TOTAL INTANGIBLE DRILLING COSTS			\$2,913,950	\$2,913,950

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			275,000	275,000
8306 208	Directional Tools & Svcs				0
8306 209	Formation Stimulatn Acid Frac			3,500,000	3,500,000
8306 210	Formation Evaluation				0
8306 211	Tubular Inspection				0
8306 212	Equipment Rentals				0
8306 213	Contract Labor & Services			165,000	165,000
8306 214	Wellsite Consultant				0
8306 215	Company Supervision & Labor			120,000	120,000
8306 216	Transportation				0
8306 217	Mud Cuttings & Water Disposal			20,000	20,000
8306 218	Insurance			15,000	15,000
8306 219	Overhead				0
8306 220	Water & Water Well				0
8306 221	Unanticipated MajExp Fishing			641,250	641,250
8306 222	Coil Tubing Services				0
8306 223	Misc Supplies & Materials			95,000	95,000
8306 224	Flowback Testing			35,000	35,000
8306 225	Legal & Permits			75,000	75,000
8306 226	Environmental & Safety Costs			5,000	5,000
8306 227	Plugging				0
8306 228	Completion Rig	\$ -	0		0
	SUBTOTAL			30,000	30,000
8306 299	CONTINGENCY (%) 0.00%			\$5,041,250	\$5,041,250
	SUB-TOTAL INTANGIBLE COMPLETION COSTS			0	0
	SUB-TOTAL INTANGIBLE COSTS			\$5,041,250	\$5,041,250
				\$2,913,950	\$7,955,200

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	Intermediate Casing	\$ -	0	\$150,000	150,000
8308 305	Subs Flt Eqpt 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

TANGIBLE COMPLETION COSTS						
ACCT.	DESCRIPTION	Rate	Units		COMPLETION	TOTAL WELL COST
8309 401	Production Casing	\$ -	0		355,000	\$355,000
8309 402	Tubing	\$ -	0		43,000	43,000
8309 403	Subs Flt 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				\$488,000	\$488,000
	SUB-TOTAL TANGIBLE COSTS			\$405,000	\$488,000	\$893,000
	SUB-TOTAL INTANGIBLE & TANGIBLE COSTS			\$3,318,950	\$5,529,250	\$8,848,200
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					0
8311 505	Oil Treating Heating Equipment				50,000	50,000
8311 506	Gas Treating Dehy Equipment					0
8311 507	Tanks					0
8311 508	Meters				70,000	70,000
8311 509	Electrical Equip Install				55,000	55,000
8311 510	Compressor				20,000	20,000
8311 511	Flowlines					0
8311 512	Labor				50,000	50,000
8311 513	Trucks Hauling Transportation				130,000	130,000
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)			\$2,913,950	\$5,041,250	\$7,955,200
	SUB-TOTAL TANGIBLE COSTS (PAGE 2)			\$405,000	\$488,000	\$893,000
	GRAND TOTAL			\$3,318,950	\$6,054,250	\$9,373,200
	LESS OUTSIDE INTERESTS			\$3,318,950	\$6,054,250	\$9,373,200
	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	\$3,318,950
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	Gavilon Fed Com 707H	BUD YEAR	2018	DATE	July 31, 2018
AFE NO.		CATEGORY	D&C	SUPPLEMENT NO.	
FIELD	Hat Mesa	REGION	Delaware Basin	LEGAL:	20S 33E
OPERATOR	Ascent Energy, LLC	WELL NO.		W.I.	
OBJECTIVE	WolfCamp A	STATE	NM	MD/TVD	+/-22,315' / 11,688'
ESTIMATED PROJECT START DATE: 1Q2019					
DESCRIPTION: Drill a 10,360' lateral in the Wolfcamp A and frac with 62 stages. Assumes 4 string design.					

INTANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	TOTAL WELL COST
8305 101	Location Cleanup & Damages			\$125,000	\$125,000
8305 102	Rig Move - MIRU, RDMO			\$100,000	100,000
8305 103	Rig Contractor-Daywork/FT			\$792,000	792,000
8305 104	Rig Contractor-Turnkey				0
8305 105	Power & Fuel			\$150,000	150,000
8305 106	Drill Fluids & Chemicals			\$200,000	200,000
8305 107	Bits, Reamer, Stabilizers			\$130,000	130,000
8305 108	Cement & Cementing Services			\$230,000	230,000
8305 109	Mud Logging			\$88,000	88,000
8305 110	Open Hole Logging			\$30,000	30,000
8305 111	Csg Crews & Tools			\$130,000	130,000
8305 112	Directional Tools & Service			\$235,000	235,000
8305 114	Form Eval - Well Testing DST - Coring, Sampling				0
8305 115	Tubular Inspection			\$20,000	20,000
8305 116	Equipment Rentals			\$350,000	350,000
8305 117	Contract Labor & Services			\$145,000	145,000
8305 118	Wellsite Consultants			\$132,000	132,000
8305 119	Company Supervision & Labor				0
8305 120	Transportation			\$20,000	20,000
8305 121	Mud Cuttings & Water Disposal			\$120,000	120,000
8305 122	Insurance			\$42,431	42,431
8305 123	Overhead			\$25,000	25,000
8305 124	Water & Water Well			\$55,000	55,000
8305 125	Unanticipated MjrExp (Fishing)				0
8305 126	Legal			\$50,000	50,000
8305 127	Outside Operated Other				0
8305 128	Permits			\$20,000	20,000
8305 129	Environmental & Safety			\$20,000	20,000
8305 130	Plugging				0
	SUBTOTAL			\$3,209,431	\$3,209,431
8305 199	CONTINGENCY (%) 0.00%			0	0
	SUB-TOTAL INTANGIBLE DRILLING COSTS			\$3,209,431	\$3,209,431

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			275,000	275,000
8306 208	Directional Tools & Svcs				0
8306 209	Formation Stimulatn Acid Frac				0
8306 210	Formation Evaluation			3,600,000	3,600,000
8306 211	Tubular Inspection				0
8306 212	Equipment Rentals				0
8306 213	Contract Labor & Services			165,000	165,000
8306 214	Wellsite Consultant				0
8306 215	Company Supervision & Labor			120,000	120,000
8306 216	Transportation				0
8306 217	Mud Cuttings & Water Disposal			20,000	20,000
8306 218	Insurance			15,000	15,000
8306 219	Overhead				0
8306 220	Water & Water Well				0
8306 221	Unanticipated MjrExp Fishing			641,250	641,250
8306 222	Coil Tubing Services				0
8306 223	Misc Supplies & Materials			95,000	95,000
8306 224	Flowback Testing			35,000	35,000
8306 225	Legal & Permits			75,000	75,000
8306 226	Environmental & Safety Costs			5,000	5,000
8306 227	Plugging				0
8306 228	Completion Rig				0
	SUBTOTAL			30,000	30,000
8306 299	CONTINGENCY (%) 0.00%			\$5,141,250	\$5,141,250
	SUB-TOTAL INTANGIBLE COMPLETION COSTS			0	0
	SUB-TOTAL INTANGIBLE COSTS			\$5,141,250	\$5,141,250
	TANGIBLE DRILLING COSTS			\$3,209,431	\$8,350,681

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	Intermediate Casing	\$ -	0	\$330,000	330,000
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			\$585,000	\$585,000

TANGIBLE COMPLETION COSTS					
ACCT.	DESCRIPTION	Rate	Units	COMPLETION	TOTAL WELL COST
8309 401	Production Casing	\$ -	0	360,000	360,000
8309 402	Tubing	\$ -	0	45,000	45,000
8309 403	Subs Flt 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				\$495,000	\$495,000
SUB-TOTAL TANGIBLE COSTS				\$585,000	\$1,080,000
SUB-TOTAL INTANGIBLE & TANGIBLE COSTS				\$3,794,431	\$9,430,681
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)				\$3,209,431	\$8,350,681
SUB-TOTAL TANGIBLE COSTS (PAGE 2)				\$585,000	\$1,080,000
GRAND TOTAL				\$3,794,431	\$9,955,681
LESS OUTSIDE INTERESTS				\$3,794,431	\$9,955,681
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	\$3,794,431
APPROVED	DATE	NET DRYHOLE AFE AMOUNT	\$0
APPROVED	DATE	NET ASSET TRANSFERS	\$0
APPROVED	DATE	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	Gavilon Fed Com 708H	BUD YEAR	2018	DATE	July 31, 2018
AFE NO.		CATEGORY	D&C	SUPPLEMENT NO.	
FIELD	Hat Mesa	REGION	Delaware Basin	LEGAL:	20S 33E
OPERATOR	Ascent Energy, LLC	WELL NO.		W.I.	
OBJECTIVE	WolfCamp XY	STATE	NM	MD/TVD	+/-22,136'/11,509'
ESTIMATED PROJECT START DATE: 1Q2019					

DESCRIPTION: Drill a 10,360' lateral in the Wolfcamp XY and frac with 62 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			\$125,000	\$125,000
8305 103	Rig Contractor-Daywork/FT			\$100,000	100,000
8305 104	Rig Contractor-Turnkey			\$768,000	768,000
8305 105	Power & Fuel				0
8305 106	Drill Fluids & Chemicals			\$145,000	145,000
8305 107	Bits, Reamer, Stabilizers			\$190,000	190,000
8305 108	Cement & Cementing Services			\$125,000	125,000
8305 109	Mud Logging			\$225,000	225,000
8305 110	Open Hole Logging			\$86,000	86,000
8305 111	Csg Crews & Tools			\$30,000	30,000
8305 112	Directional Tools & Service			\$125,000	125,000
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			\$345,000	345,000
8305 118	Wellsite Consultants			\$140,000	140,000
8305 119	Company Supervision & Labor			\$128,000	128,000
8305 120	Transportation				0
8305 121	Mud, Cuttings & Water Disposal			\$20,000	20,000
8305 122	Insurance			\$115,000	115,000
8305 123	Overhead			\$42,142	42,142
8305 124	Water & Water Well			\$25,000	25,000
8305 125	Unanticipated MirExp (Fishing)			\$55,000	55,000
8305 126	Legal				0
8305 127	Outside Operated Other			\$50,000	50,000
8305 128	Permits				0
8305 129	Environmental & Safety			\$20,000	20,000
8305 130	Plugging			\$20,000	20,000
	SUBTOTAL				0
8305 199	CONTINGENCY (%) 0.00%			\$3,129,142	\$3,129,142
	SUB-TOTAL INTANGIBLE DRILLING COSTS			0	0
				\$3,129,142	\$3,129,142

INTANGIBLE COMPLETION COSTS

ACCT.	DESCRIPTION	Rate	Units	COMPLETION	TOTAL WELL COST
8306 201	Location & Cleanup				
8306 202	Power & Fuel			\$10,000	\$10,000
8306 203	Compl Fluids & Chemicals			10,000	10,000
8306 204	Bits, Reamer, Stabilizers			45,000	45,000
8306 205	Cement & Cementing Svcs				0
8306 206	Logging & Perforation Svcs				0
8306 207	Csg Crews & Tools-Drive Hammer			275,000	275,000
8306 208	Directional Tools & Svcs				0
8306 209	Formation Stimulatn Acid Frac				0
8306 210	Formation Evaluation			3,600,000	3,600,000
8306 211	Tubular Inspection				0
8306 212	Equipment Rentals				0
8306 213	Contract Labor & Services			165,000	165,000
8306 214	Wellsite Consultant				0
8306 215	Company Supervision & Labor			120,000	120,000
8306 216	Transportation				0
8306 217	Mud Cuttings & Water Disposal			20,000	20,000
8306 218	Insurance			15,000	15,000
8306 219	Overhead				0
8306 220	Water & Water Well				0
8306 221	Unanticipated MajExp Fishing			641,250	641,250
8306 222	Coil Tubing Services				0
8306 223	Misc Supplies & Materials			95,000	95,000
8306 224	Flowback Testing			35,000	35,000
8306 225	Legal & Permits			75,000	75,000
8306 226	Environmental & Safety Costs			5,000	5,000
8306 227	Plugging				0
8306 228	Completion Rig				0
	SUBTOTAL			30,000	30,000
8306 299	CONTINGENCY (%) 0.00%			\$5,141,250	\$5,141,250
	SUB-TOTAL INTANGIBLE COMPLETION COSTS			0	0
	SUB-TOTAL INTANGIBLE COSTS			\$5,141,250	\$5,141,250

TANGIBLE DRILLING COSTS

ACCT.	DESCRIPTION	Rate	Units	DRYHOLE	TOTAL WELL COST
8308 301	Drive Pipe Conductor Casing	\$ -	0		
8308 302	Surface Casing	\$ -	0	\$20,000	\$20,000
8308 303	Intermediate Casing	\$ -	0	\$50,000	50,000
8308 304	Intermediate Casing	\$ -	0	\$125,000	125,000
8308 305	Subs Flt Eqpt Centralizers Etc	\$ -	0	\$330,000	330,000
8308 306	Casinghead Drilling Spool				0
8308 307	Sub Surface Equipment			\$60,000	60,000
8308 308	Outside Operated Other				0
	SUB-TOTAL TANGIBLE DRILLING COSTS			\$585,000	\$585,000

TANGIBLE COMPLETION COSTS					
ACCT.	DESCRIPTION	Rate	Units	COMPLETION	TOTAL WELL COST
8309 401	Production Casing	\$ -	0	355,000	\$355,000
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				\$490,000	\$490,000
SUB-TOTAL TANGIBLE COSTS				\$585,000	\$490,000
SUB-TOTAL INTANGIBLE & TANGIBLE COSTS				\$3,714,142	\$5,631,250
PRODUCTION EQUIPMENT COSTS					
ACCT.	DESCRIPTION	Rate	Units	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)				\$3,129,142	\$5,141,250
SUB-TOTAL TANGIBLE COSTS (PAGE 2)				\$585,000	\$490,000
GRAND TOTAL				\$3,714,142	\$6,156,250
LESS OUTSIDE INTERESTS				\$3,714,142	\$6,156,250
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	\$3,714,142
APPROVED	DATE	NET DRYHOLE AFE AMOUNT	\$0
APPROVED	DATE	NET ASSET TRANSFERS	\$0
APPROVED	DATE	CASH OUTLAY THIS AFE	\$0
		PREVIOUS AFE'S ISSUED	\$0
		TOTAL CASH OUTLAY	\$0

WORKING INTEREST APPROVAL			
COMPANY	WORKING INTEREST	APPROVED BY	DATE

Case No. 16484

Case No. 16486

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

October 12, 2018

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:

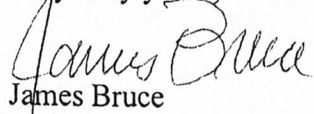
1. Case No. 16486, for two Wolfcamp wells well in the W/2E/2 of Section 28 and W/2E/2 of Section 33, Township 20 South, Range 33 East, NMPM, Lea County, New Mexico; and
2. Case No. 16484, for two Bone Spring wells in the W/2E/2 of Section 28 and W/2E/2 of Section 33, Township 20 South, Range 33 East, NMPM, Lea County, New Mexico.

These matters are scheduled for hearing at 8:15 a.m. on November 1, 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, October 25, 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 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

John Benedict
308 Zoeller Lane
Boerne, Texas 78005

COG Operating LLC
600 West Illinois Avenue
Midland, Texas 79701

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

Attention: Matt Brown

XTO Holdings LLC
810 Houston Street
Fort Worth, Texas 76102

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

For delivery information, visit our website at www.usps.com

OFFICIAL USE

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 \$

Sent To

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

City, State, ZIP+4®

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

2022 1205 1000 0622 8702

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:

XTO Holdings LLC
810 Houston Street
Fort Worth, Texas 76102

2. Article Number (Transfer from service label)

9590 9402 4079 8092 5932 15

7018 2290 0001 5021 2219

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☐ Agent ☐ Addressee

X Lonnie Sanchez

B. Received by (Printed Name) ☐ Date of Delivery

Lonnie Sanchez Oct 29 2018

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™

☐ Collect on Delivery Restricted Delivery

ted Delivery

Domestic Return Receipt

AS - we

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

For delivery information, visit our website at www.usps.com

OFFICIAL USE

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 \$

Sent To

XTO Holdings LLC
810 Houston Street
Fort Worth, Texas 76102

City, State, ZIP+4®

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

6722 1205 1000 0622 8702

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
5555 San Felipe Street
Houston, Texas 77056

2. Article Number (Transfer from service label)

9590 9402 4079 8092 5932 08

7018 2290 0001 5021 2202

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

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☐ Agent ☐ Addressee

X Richard Vargas

B. Received by (Printed Name) ☐ Date of Delivery

Richard Vargas 10/21/18

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™

☐ Collect on Delivery Restricted Delivery

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Domestic Return Receipt

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U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee	
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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	
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Sent To	COG Operating LLC
Street and Apt. No., or P.O.	600 West Illinois Avenue
City, State, ZIP+4®	Midland, Texas 79701
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

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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 \$

Sent To John Benedict
 308 Zoeller Lane
 Boerne, Texas 78005

Street and Apt. No., or City, State, ZIP+4®

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

LET AT TOP OF ENVELOPE TO THE RIGHT
 TURN ADDRESS FOLD AT DOTTED LINE

CERTIFIED MAIL®



0001 5021 2189

\$6.91⁰
 US POSTAGE
 FIRST-CLASS
 071V00607931
 87501
 000110183

John Benedict
 308 Zoeller Lane

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RETURN TO SENDER
 UNCLAIMED
 UNABLE TO FORWARD

UNC 501 57384105556

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6872 1205 1000 0622 8702

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. 16484

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

Case No. 16486

VERIFIED STATEMENT OF BEN METZ

Ben 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 Attachment A discussed below pertain to the Wolfcamp wells (Case 16486):
 - (a) A structure map on top of the Wolfcamp A zone. It shows that structure dips gently to the south. The subject Wolfcamp wells will be drilled from downdip to updip. The plat also shows a line of cross-section.
 - (b) A cross section. The well logs on the cross-section give a representative sample of the Wolfcamp formation in this area. The target zones (the XY and A zones) are continuous across the well unit.
 - (c) A list of existing Wolfcamp XY and A wells in the area. The more recent wells are all north/south wells, and appear to be economic. That north/south orientation is preferred in this area.
 - (d) The C-102s for the Wolfcamp wells. The wells are in the 96438-Wolfcamp Pool.
4. The geological plats in Attachments B pertain to the Second and Third Bone Spring wells (Case 16484). These zones are prospective in this area. They show:
 - (a) Structure maps on top of each Bone Spring zone. They show that structure dips gently to the east-southeast. It also shows a line of cross-section.

EXHIBIT 3

(b) Cross-sections of each Bone Spring zone. The well logs on the cross-sections give a representative sample of the Second and Third Bone Spring zones in this area. The target zones are continuous across the well unit.

(c) A list of producing Bone Spring wells in the area. The wells are virtually all north/south wells, and the more recent wells appear to be economic. That north/south orientation is preferred in this area.

(d) The C-102s for the Bone wells. The wells are in the 30213-Bone Spring Pool.

5. I conclude from the maps that:

(a) The Wolfcamp and Bone Spring horizontal spacing units are justified from a geologic standpoint, and horizontal drilling is the best method to produce Bone Spring reserves.

(b) Each quarter-quarter section in the Wolfcamp and Bone Spring units will contribute more or less equally to production.


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

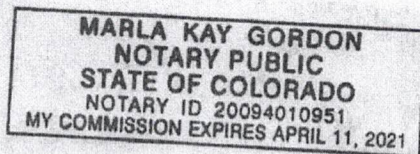
6. The granting of these applications is in the interests of conservation and the prevention of waste.

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

Ben Metz

My Commission Expires: 4-11-21


Notary Public

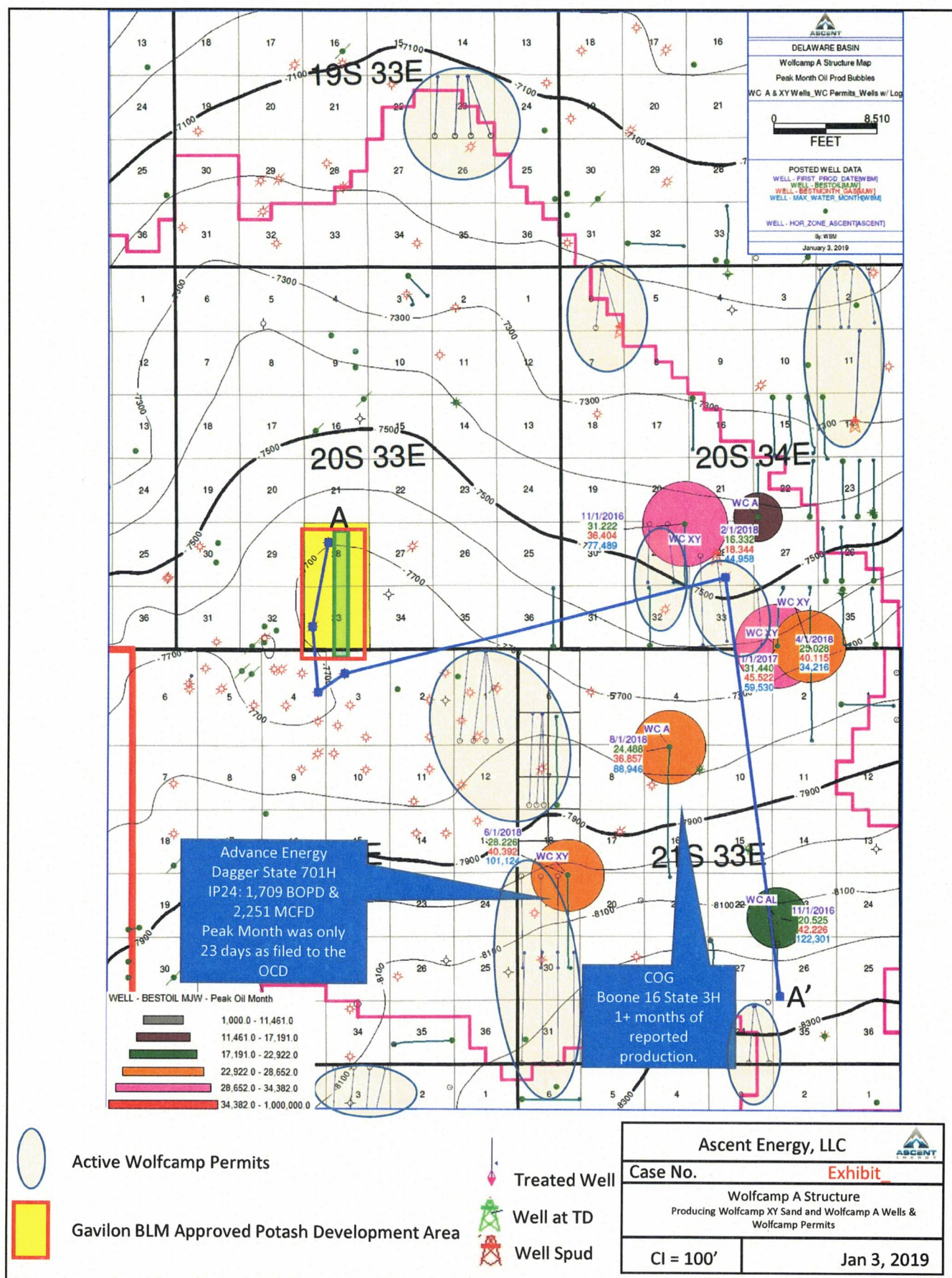


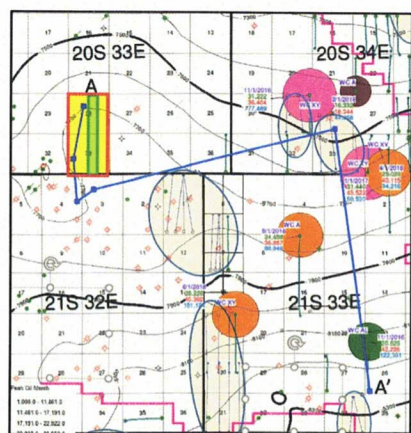
Case No. 16486

- W2 E2
- Gavilon Fed Com Well No. 707H
- Gavilon Fed Com Well No. 708H

ATTACHMENT

A






Exhibit

Cross Section across Wolfcamp A

Sept 26, 2018

Ascent Energy, LLC	
Case No.	Exhibit <u> </u>
Wolfcamp XY Sand & Wolfcamp A Shale Production Data Table	
Nov 21, 2018	

District I1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720District II811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9720District III1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170District IV1220 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**

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name GAVILON FED COM	
⁷ OGRID No. 325830	⁸ Operator Name ASCENT ENERGY	⁶ Well Number 707H
		⁹ Elevation 3,673'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	33	20 S	33 E		290	SOUTH	1,831	EAST	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
B	28	20 S	33 E		100	NORTH	2,310	EAST	LEA

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

GEODETIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y= 554,634.0
X= 705,962.8
LAT.= 32.523023°N
LONG.= 103.665111°W

FIRST TAKE POINT
NAD 27 NME
Y= 554,441.1
X= 705,485.0
LAT.= 32.522501°N
LONG.= 103.666665°W

LAST TAKE POINT/
BOTTOM HOLE LOCATION
NAD 27 NME
Y= 564,800.3
X= 705,417.0
LAT.= 32.550976°N
LONG.= 103.666676°W

CORNER COORDINATES TABLE
NAD 27 NME

A	Y= 564,898.6 N, X= 705,081.0 E
B	Y= 564,905.5 N, X= 706,403.7 E
C	Y= 562,259.2 N, X= 705,098.4 E
D	Y= 562,266.0 N, X= 706,421.1 E
E	Y= 559,618.9 N, X= 705,115.9 E
F	Y= 559,626.1 N, X= 706,438.3 E
G	Y= 556,979.6 N, X= 705,133.3 E
H	Y= 556,986.9 N, X= 706,455.8 E
I	Y= 554,339.1 N, X= 705,150.6 E
J	Y= 554,347.1 N, X= 706,473.1 E

CORNER COORDINATES TABLE
NAD 83 NME

A	Y= 564,960.1 N, X= 746,261.4 E
B	Y= 564,967.0 N, X= 747,584.1 E
C	Y= 562,320.6 N, X= 746,278.9 E
D	Y= 562,327.4 N, X= 747,601.6 E
E	Y= 559,680.3 N, X= 746,296.5 E
F	Y= 559,687.5 N, X= 747,618.9 E
G	Y= 557,040.9 N, X= 746,313.9 E
H	Y= 557,048.2 N, X= 747,636.5 E
I	Y= 554,400.4 N, X= 746,331.3 E
J	Y= 554,408.4 N, X= 747,653.8 E

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.

08-16-2018
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 FILED UPON AS A FINAL SURVEY DOCUMENT

MARK DILLON HARP 23786
Certificate Number JC 2018010130

Ascent Energy, LLC

Case No. Exhibit

GAVILON FED COM 707H
C-102 Well Plat

Sept 10, 2018

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

¹ API Number		² Pool Code		³ Pool Name	
⁴ Property Code		⁵ Property Name GAVILON FED COM			⁶ Well Number 708H
⁷ OGRID No. 325830		⁸ Operator Name ASCENT ENERGY			⁹ Elevation 3,673'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	33	20 S	33 E		290	SOUTH	1,706	EAST	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
B	28	20 S	33 E		100	NORTH	1,650	EAST	LEA

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

GRID AZ. = 359°37'20"
HORIZ. DIST. = 10,359.07'

SEC. 28
T20S R33E

SEC. 33
T20S R33E

GRID AZ. = 163°11'53"
HORIZ. DIST. = 198.09'

SHL, FTP, LTP/BHL

GEODETIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y= 554,634.8
X= 706,087.7
LAT= 32.523023°N
LONG.= 103.664706°W

FIRST TAKE POINT
NAD 27 NME
Y= 554,445.1
X= 706,145.0
LAT= 32.522501°N
LONG.= 103.664524°W

LAST TAKE POINT/
BOTTOM HOLE LOCATION
NAD 27 NME
Y= 564,803.8
X= 706,077.0
LAT= 32.550975°N
LONG.= 103.664534°W

GEODETIC COORDINATES
NAD 83 NME
SURFACE LOCATION
Y= 554,696.1
X= 747,268.4
LAT= 32.523144°N
LONG.= 103.665199°W

FIRST TAKE POINT
NAD 83 NME
Y= 554,506.4
X= 747,325.7
LAT= 32.522622°N
LONG.= 103.665018°W

LAST TAKE POINT/
BOTTOM HOLE LOCATION
NAD 83 NME
Y= 564,865.3
X= 747,257.4
LAT= 32.551095°N
LONG.= 103.665028°W

CORNER COORDINATES TABLE
NAD 27 NME

A	Y= 564,898.6	N	X= 705,081.0	E
B	Y= 564,905.5	N	X= 708,403.7	E
C	Y= 562,259.2	N	X= 705,098.4	E
D	Y= 562,268.0	N	X= 708,421.1	E
E	Y= 559,618.9	N	X= 705,115.9	E
F	Y= 559,626.1	N	X= 706,438.3	E
G	Y= 556,979.6	N	X= 705,133.3	E
H	Y= 556,986.9	N	X= 706,455.8	E
I	Y= 554,339.1	N	X= 705,150.6	E
J	Y= 554,347.1	N	X= 706,473.1	E

CORNER COORDINATES TABLE
NAD 83 NME

A	Y= 564,960.1	N	X= 746,261.4	E
B	Y= 564,967.0	N	X= 747,584.1	E
C	Y= 562,320.6	N	X= 746,278.9	E
D	Y= 562,327.4	N	X= 747,601.6	E
E	Y= 559,680.3	N	X= 746,296.5	E
F	Y= 559,687.5	N	X= 747,618.9	E
G	Y= 557,040.9	N	X= 746,313.9	E
H	Y= 557,048.2	N	X= 747,636.5	E
I	Y= 554,400.4	N	X= 746,331.3	E
J	Y= 554,408.4	N	X= 747,653.8	E

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.

08-16-2018
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 RELIED UPON AS A FINAL SURVEY DOCUMENT

MARK DILLON HARP 23786
Certificate Number _____ JC 2018010135

Ascent Energy, LLC

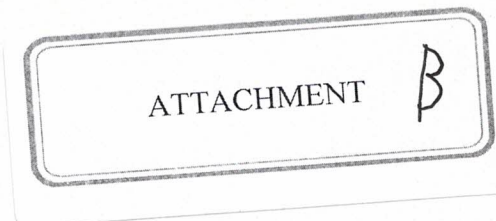
Case No. Exhibit

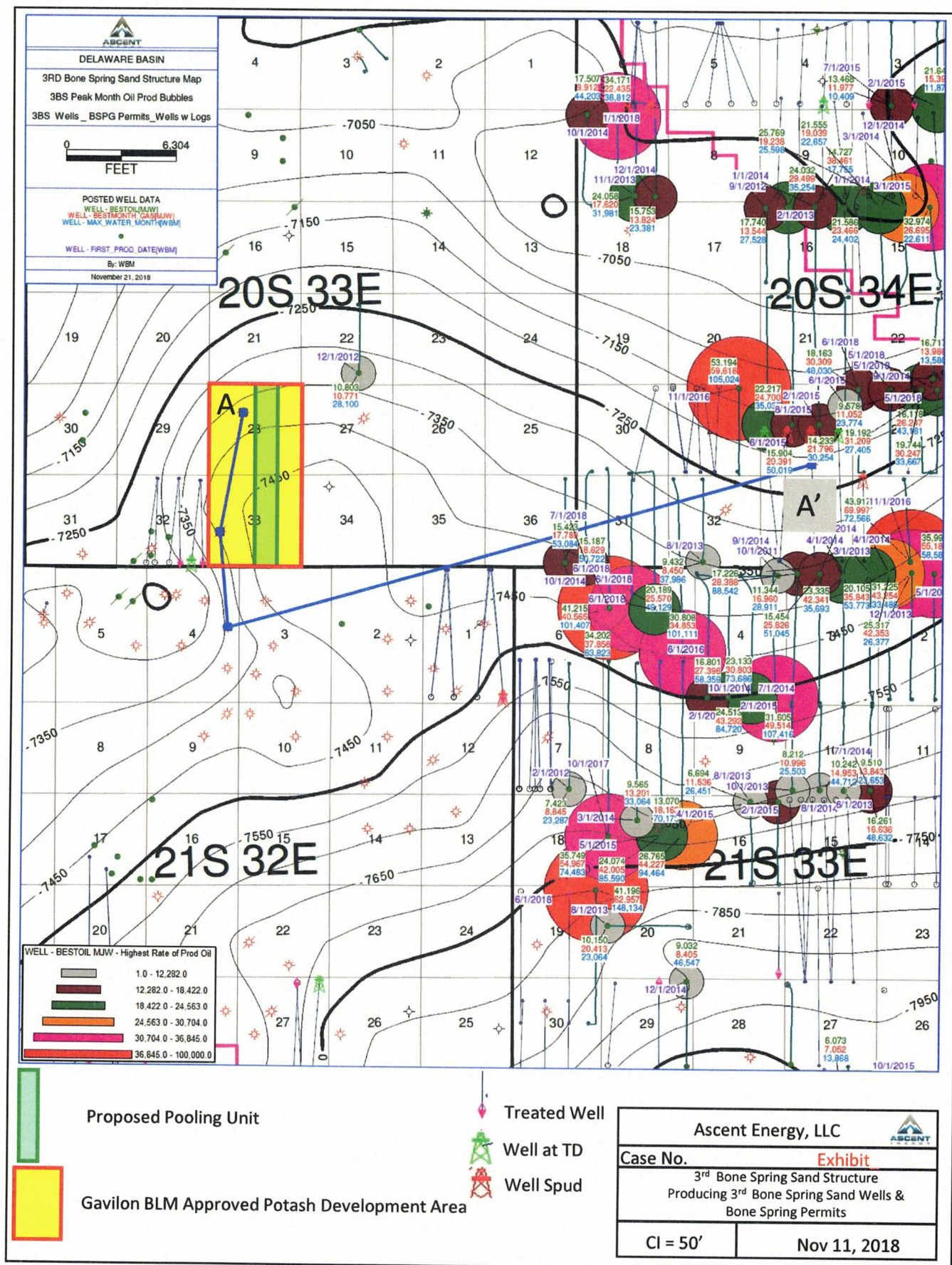
GAVILON FED COM 708H
C-102 Well Plat

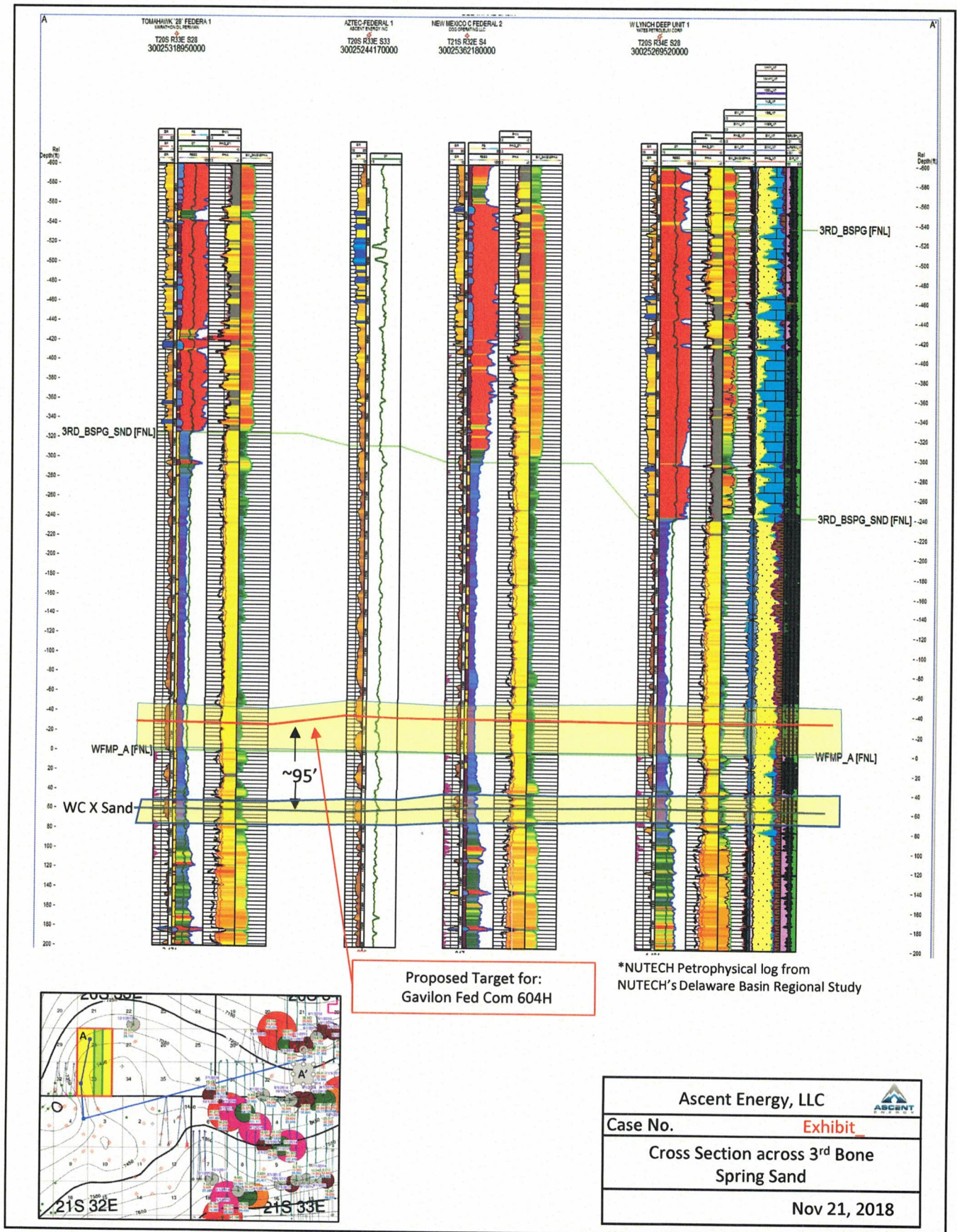
Sept 10, 2018


Case No. 16484

- W2 E2
- Gavilon Fed Com Well No. 506H
- Gavilon Fed Com Well No. 604H







Ascent Energy, LLC		
Case No.	<u>Exhibit</u>	
3rd Bone Spring Sand Production Data Table		
Nov 21, 2018		

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

¹ API Number		² Pool Code		³ Pool Name	
⁴ Property Code		⁵ Property Name GAVILON FED COM		⁶ Well Number 604H	
⁷ OGRID No. 325830		⁸ Operator Name ASCENT ENERGY		⁹ Elevation 3,673'	
¹⁰ Surface Location					
UL or lot no. O	Section 33	Township 20 S	Range 33 E	Lot Idn	Feet from the 290
					North/South line SOUTH
					Feet from the 1,806
					East/West line EAST
					County LEA
¹¹ Bottom Hole Location If Different From Surface					
UL or lot no. B	Section 28	Township 20 S	Range 33 E	Lot Idn	Feet from the 100
					North/South line NORTH
					Feet from the 2,310
					East/West line EAST
					County LEA
¹² Dedicated Acres		¹³ Joint or Infill		¹⁴ Consolidation Code	
				¹⁵ 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.

	<p>16</p> <p>GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 554,634.2 X= 705,987.7 LAT= 32.523023°N LONG= 103.665031°W</p> <p>FIRST TAKE POINT NAD 27 NME Y= 554,441.1 X= 705,485.0 LAT= 32.522501°N LONG= 103.666665°W</p> <p>LAST TAKE POINT/ BOTTOM HOLE LOCATION NAD 27 NME Y= 564,800.3 X= 705,417.0 LAT= 32.550976°N LONG= 103.666676°W</p>	<p>GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 554,695.5 X= 747,168.4 LAT= 32.523144°N LONG= 103.665524°W</p> <p>FIRST TAKE POINT NAD 83 NME Y= 554,502.4 X= 746,665.7 LAT= 32.522622°N LONG= 103.667159°W</p> <p>LAST TAKE POINT/ BOTTOM HOLE LOCATION NAD 83 NME Y= 564,861.8 X= 746,597.4 LAT= 32.551097°N LONG= 103.667170°W</p>	<p>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.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p>																																						
	<p>CORNER COORDINATES TABLE NAD 27 NME</p> <table border="1"> <tr><td>A</td><td>Y= 564,898.6 N, X= 705,081.0 E</td></tr> <tr><td>B</td><td>Y= 564,905.5 N, X= 706,403.7 E</td></tr> <tr><td>C</td><td>Y= 562,259.2 N, X= 705,098.4 E</td></tr> <tr><td>D</td><td>Y= 562,266.0 N, X= 706,421.1 E</td></tr> <tr><td>E</td><td>Y= 559,618.9 N, X= 705,115.9 E</td></tr> <tr><td>F</td><td>Y= 559,626.1 N, X= 706,438.3 E</td></tr> <tr><td>G</td><td>Y= 556,979.6 N, X= 705,133.3 E</td></tr> <tr><td>H</td><td>Y= 556,986.9 N, X= 706,455.8 E</td></tr> <tr><td>I</td><td>Y= 554,339.1 N, X= 705,150.6 E</td></tr> <tr><td>J</td><td>Y= 554,347.1 N, X= 706,473.1 E</td></tr> </table> <p>CORNER COORDINATES TABLE NAD 83 NME</p> <table border="1"> <tr><td>A</td><td>Y= 564,960.1 N, X= 746,261.4 E</td></tr> <tr><td>B</td><td>Y= 564,967.0 N, X= 747,584.1 E</td></tr> <tr><td>C</td><td>Y= 562,320.6 N, X= 746,278.9 E</td></tr> <tr><td>D</td><td>Y= 562,327.4 N, X= 747,601.6 E</td></tr> <tr><td>E</td><td>Y= 559,680.3 N, X= 746,296.5 E</td></tr> <tr><td>F</td><td>Y= 559,687.5 N, X= 747,618.9 E</td></tr> <tr><td>G</td><td>Y= 557,040.9 N, X= 746,313.9 E</td></tr> <tr><td>H</td><td>Y= 557,046.2 N, X= 747,636.5 E</td></tr> <tr><td>I</td><td>Y= 554,400.4 N, X= 746,331.3 E</td></tr> <tr><td>J</td><td>Y= 554,408.4 N, X= 747,653.8 E</td></tr> </table>	A	Y= 564,898.6 N, X= 705,081.0 E	B	Y= 564,905.5 N, X= 706,403.7 E	C	Y= 562,259.2 N, X= 705,098.4 E	D	Y= 562,266.0 N, X= 706,421.1 E	E	Y= 559,618.9 N, X= 705,115.9 E	F	Y= 559,626.1 N, X= 706,438.3 E	G	Y= 556,979.6 N, X= 705,133.3 E	H	Y= 556,986.9 N, X= 706,455.8 E	I	Y= 554,339.1 N, X= 705,150.6 E	J	Y= 554,347.1 N, X= 706,473.1 E	A	Y= 564,960.1 N, X= 746,261.4 E	B	Y= 564,967.0 N, X= 747,584.1 E	C	Y= 562,320.6 N, X= 746,278.9 E	D	Y= 562,327.4 N, X= 747,601.6 E	E	Y= 559,680.3 N, X= 746,296.5 E	F	Y= 559,687.5 N, X= 747,618.9 E	G	Y= 557,040.9 N, X= 746,313.9 E	H	Y= 557,046.2 N, X= 747,636.5 E	I	Y= 554,400.4 N, X= 746,331.3 E	J	Y= 554,408.4 N, X= 747,653.8 E
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I	Y= 554,400.4 N, X= 746,331.3 E																																								
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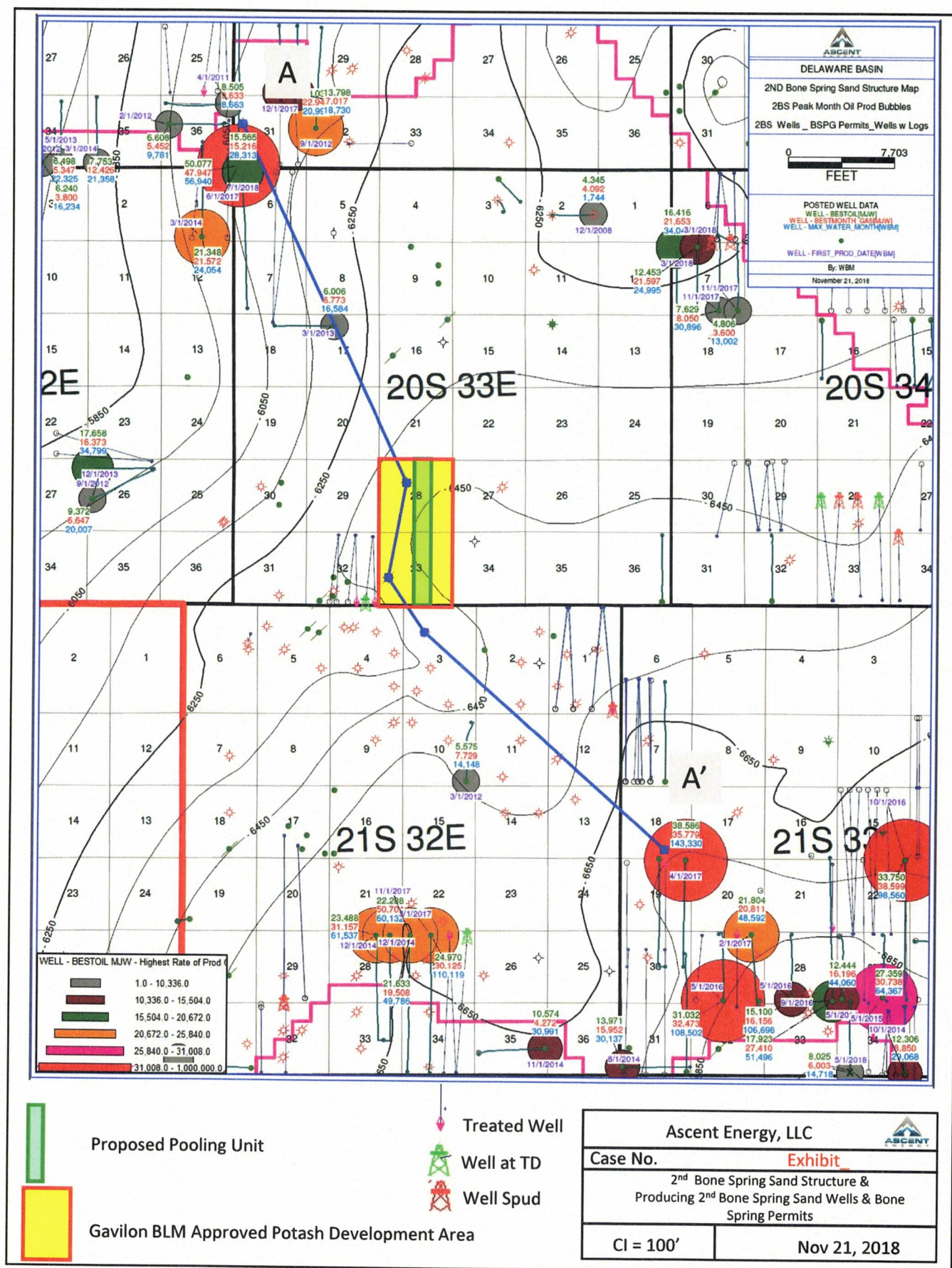
Ascent Energy, LLC



Case No. Exhibit

Gavilon FED COM 604H
C-102 Well Plat

Sept 10, 2018





Officer 2nd Bone Spring Sand Production Table

UWI (API Num)	Operator	Well Label	Township	Range	Section	SPUD DATE	COMP DATE	IP OIL	IP GAS	IP WTR	PEAK MONTH OIL (BO)	PEAK MONTH GAS (MCF)	PEAK MONTH WATER (BW)	1ST 6 MONTHS CUM OIL BO	1ST 6 MONTHS CUM GAS MCF	1ST 6 MONTHS CUM WATER BW	CUM OIL BO	CUM GAS MCF	CUM WTR BW	LATERAL	HOR. ZONE
3002531180100	BITA OIL PRODUCERS, LLC	GEM 8705 J-4-P 6	205	33E	2	8/26/2008	1/12/2009	276	120	168	4,345	4,092	1,744	17,440	14,881	6,389	74,170	135,652	64,350	E/W	2ND BSGS S
30025398870100	CIMAREX ENERGY CO OF COLORADO	STATE HH COM 3H	195	32E	36	2/23/2011	5/10/2011	296	471	335	8,505	5,633	8,663	30,557	30,031	26,879	106,422	158,866	109,389	E/W	2ND BSGS S
30025401420000	MEWBOURNE OIL COMPANY	OCELOT 34 FEDERAL CO 1H	195	32E	34	11/19/2011	2/12/2012	294	223	2,342	6,498	5,347	22,325	28,429	27,565	93,198	100,177	180,963	395,256	N/S	2ND BSGS S
30025274170100	CIMAREX ENERGY CO OF COLORADO	STATE HH 1	195	32E	36	11/6/2011	3/4/2012	167	130	159	6,608	5,452	9,781	23,796	20,809	73,671	84,554	100,348	74,902	E/W	2ND BSGS S
30025403500000	CIMAREX ENERGY CO OF COLORADO	HAT MESA 10 FEDERAL 2H	215	32E	10	1/18/2012	4/12/2012	142	250	448	5,575	7,779	14,148	18,348	25,134	30,144	64,765	88,696	139,188	N/S	2ND BSGS S
30025404370000	CIMAREX ENERGY CO OF COLORADO	MAQUINO UNIT 9	195	33E	29	7/12/2012	10/2/2012	624	389	646	23,035	29,948	20,999	93,649	95,561	91,482	265,099	477,998	321,541	N/S	2ND BSGS S
30025404700000	CIMAREX ENERGY CO OF COLORADO	SMOODY FEDERAL 2H	205	32E	26	7/18/2012	10/19/2012	574	515	880	17,658	16,373	34,799	48,454	66,479	110,110	149,533	277,620	304,056	E/W	2ND BSGS S
30025403490100	COG OPERATING LIMITED LIABILITY CORP	LOBO 26 STATE 1H	215	33E	26	7/22/2012	11/4/2012	506	NR	770	9,456	4,437	12,519	38,582	11,403	45,633	121,020	142,522	156,345	E/W	2ND BSGS S
30025408280000	MARATHON OIL PERMAN LLC	GREEN FROG CAFE FEDE 1H	205	33E	18	12/1/2012	4/17/2013	72	61	244	6,006	6,773	16,584	20,780	26,298	73,199	65,287	100,513	193,738	E/W	2ND BSGS S
30025408370000	CIMAREX ENERGY CO OF COLORADO	SMOODY FEDERAL 2H	205	32E	26	10/17/2013	3/17/2014	186	261	432	9,372	6,647	21,007	25,408	28,561	56,792	64,107	97,048	119,434	E/W	2ND BSGS S
30025409090000	EOG Y RESOURCES INC	LUSK AUB FEDERAL 10H	195	32E	35	10/29/2013	3/10/2014	170	28	1,219	7,753	12,426	21,572	74,503	99,860	104,736	175,387	268,695	271,908	N/S	2ND BSGS S
30025408270000	MARATHON OIL PERMAN LLC	GAY NINETIES FEDERAL 1H	195	32E	36	12/21/2013	4/13/2014	802	699	834	21,348	21,572	24,054	113,388	147,787	250,430	321,571	523,365	730,053	N/S	2ND BSGS S
30025403201000	COG OPERATING LIMITED LIABILITY CORP	PIGMY 27 STATE COM 1H	215	33E	27	3/19/2014	5/18/2014	515	300	1,483	12,444	16,196	44,060	54,896	62,627	210,180	191,107	264,996	763,277	N/S	2ND BSGS S
30025411780000	ADVANCE ENERGY PARTNERS HAT MESA LLC	DAGGER STATE UNIT 2H	215	33E	31	1/7/2014	8/16/2014	464	456	1,011	13,971	15,952	30,137	47,357	57,382	126,229	111,683	190,348	304,068	E/W	2ND BSGS S
30025413640100	MARATHON OIL PERMAN LLC	BATTLE 1H	215	33E	34	8/1/2014	10/30/2014	552	690	1,390	12,306	8,850	29,068	48,466	32,345	95,900	157,470	110,733	257,604	N/S	2ND BSGS S
30025417800100	OWY USA WTP LP	ANDERSON 35 3H	215	32E	35	7/24/2014	11/23/2014	362	313	886	10,574	4,272	30,991	32,596	14,668	111,309	71,040	45,575	260,715	E/W	2ND BSGS S
30025418070000	DEVON ENERGY PRODUCTION COMPANY LP	BILBREY 33 FEDERAL 4H	215	32E	33	6/23/2014	12/2/2014	717	376	2,334	22,288	50,704	60,132	99,512	94,084	248,424	309,810	597,780	1,041,266	N/S	2ND BSGS S
30025418560000	DEVON ENERGY PRODUCTION COMPANY LP	BILBREY 33 FEDERAL 3H	215	32E	33	7/26/2014	12/16/2014	685	953	2,242	23,488	31,157	61,537	106,010	106,633	264,453	279,366	542,171	839,547	N/S	2ND BSGS S
30025420680000	COG OPERATING LIMITED LIABILITY CORP	PIGMY 27 STATE 3H	215	33E	27	2/12/2015	5/24/2015	620	691	2,322	27,359	30,738	64,367	113,388	147,787	250,430	321,571	523,365	730,053	N/S	2ND BSGS S
30025429040000	COG OPERATING LIMITED LIABILITY CORP	WARBLER STATE COM 002Y	215	33E	28	10/31/2015	5/16/2016	578	660	2,701	15,100	16,156	106,698	73,465	84,599	294,552	180,779	287,690	641,483	N/S	2ND BSGS S
30025431180000	EOG RESOURCES INCORPORATED	FRUIT LOOP 29 STATE 50H	215	33E	29	9/9/2015	6/21/2016	1,455	1,461	2,277	31,032	32,473	108,502	145,520	144,676	269,977	332,165	380,048	533,824	N/S	2ND BSGS S
30025433100000	COG OPERATING LIMITED LIABILITY CORP	WARBLER STATE COM 4H	215	33E	16	7/7/2016	9/28/2016	489	474	3,814	17,923	27,410	51,496	78,690	92,074	278,749	283,699	469,372	848,433	N/S	2ND BSGS S
30025433190100	COG OPERATING LIMITED LIABILITY CORP	RASPBERRY STATE COM 1H	215	33E	27	6/26/2016	10/7/2016	53	72	4,468	33,750	38,599	98,560	161,865	166,446	397,244	524,467	721,922	1,028,116	N/S	2ND BSGS S
30025432230000	MARATHON OIL PERMAN LLC	ABE STATE 003H	215	33E	32	10/11/2016	2/12/2017	1,325	1,146	3,058	21,804	20,811	48,592	81,899	77,020	169,015	138,685	122,620	224,822	N/S	2ND BSGS S
30025432760000	MEWBOURNE OIL COMPANY	BILBREY 34-27 B2WC F 00TH	215	32E	34	9/9/2016	3/23/2017	134	133	4,122	24,970	30,125	110,119	110,054	125,713	457,784	226,940	251,305	783,185	N/S	2ND BSGS S
30025433020000	ADVANCE ENERGY PARTNERS HAT MESA LLC	DAGGER STATE COM 504H	215	33E	30	7/25/2016	4/28/2017	1,428	1,497	3,996	38,586	35,779	143,330	183,104	182,006	402,652	365,333	339,023	642,910	N/S	2ND BSGS S
30025432630000	MARATHON OIL PERMAN LLC	BATTLE 34 FEDERAL 004H	215	33E	27	5/5/2017	7/26/2017	1,022	568	1,008	8,025	6,003	14,718	4 Months	4 Months	27,123	14,195	27,123	14,195	N/S	2ND BSGS S
30025432400000	MARATHON OIL PERMAN LLC	BATTLE 34 FEDERAL 001H	215	33E	7	12/25/2016	10/7/2017	1,695	622	1,973	15,565	15,216	28,313	70,091	60,601	82,864	26,853	24,749	48,752	N/S	2ND BSGS S
30025432400000	MARATHON OIL PERMAN LLC	BLACK HORSE FEDERAL 001H	205	33E	7	12/25/2016	10/7/2017	598	353	1,585	14,395	13,869	19,370	70,091	60,601	82,864	26,853	24,749	48,752	N/S	2ND BSGS S
30025432400000	MATADOR PRODUCTION COMPANY	FEDERAL 30 123H	195	33E	30	7/8/2017	11/28/2017	851	853	2,710	21,633	19,508	49,786	86,672	76,524	229,849	126,044	113,609	316,640	N/S	2ND BSGS S
30025438720000	MEWBOURNE OIL COMPANY	BILBREY 34-27 B2MD F 00TH	215	32E	34	8/8/2017	11/28/2017	816	467	1,180	13,798	7,017	18,730	70,443	70,058	70,443	30,716	70,058	70,443	N/S	2ND BSGS S
30025441490000	MATADOR PRODUCTION COMPANY	FEDERAL 30 124H	195	33E	30	11/11/2017	1/13/2018	816	467	1,180	13,798	7,017	18,730	70,443	70,058	70,443	30,716	70,058	70,443	N/S	2ND BSGS S
30025432490000	LEGACY RESERVES OPERATING LP	HAMON A FEDERAL COM 008H	205	34E	6	8/25/2017	2/17/2018	172	232	1,748	4,806	3,600	13,002	19,089	11,807	32,340	22,709	15,407	39,539	N/S	2ND BSGS S
30025432140000	LEGACY RESERVES OPERATING LP	HAMON A FEDERAL COM 006H	205	34E	6	7/19/2017	2/26/2018	435	338	1,339	7,629	8,050	30,896	19,561	24,820	54,155	21,979	24,820	60,778	N/S	2ND BSGS S
30025432530000	LEGACY RESERVES OPERATING LP	HAMON A FEDERAL COM 012H	205	34E	18	9/8/2017	3/22/2018	854	799	1,112	12,453	21,597	24,995	46,749	61,361	75,202	46,749	61,361	85,239	N/S	2ND BSGS S
30025432510000	LEGACY RESERVES OPERATING LP	HAMON A FEDERAL COM 010H	205	34E	18	7/26/2017	3/25/2018	743	845	1,258	16,416	21,653	34,041	48,767	66,818	90,527	48,767	66,818	96,303	N/S	2ND BSGS S
30025432700000	ADVANCE ENERGY PARTNERS	DAGGER STATE COM 505H	215	33E	30	4/28/2018	8/17/2018	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	N/S	2ND BSGS S
30025436790000	ADVANCE ENERGY PARTNERS	DAGGER STATE COM 508H	215	33E	30	6/25/2018	10/4/2018	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	N/S	2ND BSGS S
30025435640000	ADVANCE ENERGY PARTNERS	DAGGER STATE COM 506H	215	33E	30	6/2/2018	10/4/2018	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	N/S	2ND BSGS S

Ascent Energy, LLC

Exhibit

Case No.

2nd Bone Spring Sand Production Data Table

Nov 21, 2018

* 1st reported monthly production 10 months after IP date

** 1st reported monthly production 8 months after IP date

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

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name GAVILON FED COM	
⁷ OGRID No. 325830	⁸ Operator Name ASCENT ENERGY	⁶ Well Number 506H ⁹ Elevation 3,673'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	33	20 S	33 E		290	SOUTH	1,781	EAST	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
B	28	20 S	33 E		100	NORTH	2,178	EAST	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>GRID AZ = 359°37'20" HORIZ. DIST. = 10,359.49</p> <p>SEC. 28 T20S R33E</p> <p>SEC. 33 T20S R33E</p> <p>GRID AZ = 744°04'37" HORIZ. DIST. = 440.07</p> <p>FTP</p> <p>SHL</p> <p>1,781'</p> <p>2,178'</p> <p>100'</p> <p>290'</p>	<p>GEODETTIC COORDINATES NAD 27 NME SURFACE LOCATION Y = 554,634.3 X = 706,012.8 LAT = 32.523023°N LONG = 103.664949°W</p> <p>FIRST TAKE POINT NAD 27 NME Y = 554,441.9 X = 705,617.0 LAT = 32.522501°N LONG = 103.666237°W</p> <p>LAST TAKE POINT/ BOTTOM HOLE LOCATION NAD 27 NME Y = 564,801.0 X = 705,549.0 LAT = 32.550976°N LONG = 103.666247°W</p>	<p>GEODETTIC COORDINATES NAD 83 NME SURFACE LOCATION Y = 554,695.6 X = 747,193.5 LAT = 32.523144°N LONG = 103.665443°W</p> <p>FIRST TAKE POINT NAD 83 NME Y = 554,503.2 X = 746,797.7 LAT = 32.522622°N LONG = 103.666731°W</p> <p>LAST TAKE POINT/ BOTTOM HOLE LOCATION NAD 83 NME Y = 564,862.5 X = 746,729.4 LAT = 32.551097°N LONG = 103.666742°W</p>	<p>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.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p>																																								
	<p>CORNER COORDINATES TABLE NAD 27 NME</p> <table border="1"> <tr><td>A</td><td>Y = 564,898.6 N, X = 705,081.0 E</td></tr> <tr><td>B</td><td>Y = 564,905.5 N, X = 706,403.7 E</td></tr> <tr><td>C</td><td>Y = 562,259.2 N, X = 705,098.4 E</td></tr> <tr><td>D</td><td>Y = 562,266.0 N, X = 706,421.1 E</td></tr> <tr><td>E</td><td>Y = 559,618.9 N, X = 705,115.9 E</td></tr> <tr><td>F</td><td>Y = 559,626.1 N, X = 706,438.3 E</td></tr> <tr><td>G</td><td>Y = 556,979.6 N, X = 705,133.3 E</td></tr> <tr><td>H</td><td>Y = 556,986.9 N, X = 706,455.8 E</td></tr> <tr><td>I</td><td>Y = 554,339.1 N, X = 705,150.6 E</td></tr> <tr><td>J</td><td>Y = 554,347.1 N, X = 706,473.1 E</td></tr> </table>	A	Y = 564,898.6 N, X = 705,081.0 E	B	Y = 564,905.5 N, X = 706,403.7 E	C	Y = 562,259.2 N, X = 705,098.4 E	D	Y = 562,266.0 N, X = 706,421.1 E	E	Y = 559,618.9 N, X = 705,115.9 E	F	Y = 559,626.1 N, X = 706,438.3 E	G	Y = 556,979.6 N, X = 705,133.3 E	H	Y = 556,986.9 N, X = 706,455.8 E	I	Y = 554,339.1 N, X = 705,150.6 E	J	Y = 554,347.1 N, X = 706,473.1 E	<p>CORNER COORDINATES TABLE NAD 83 NME</p> <table border="1"> <tr><td>A</td><td>Y = 564,960.1 N, X = 746,261.4 E</td></tr> <tr><td>B</td><td>Y = 564,967.0 N, X = 747,584.1 E</td></tr> <tr><td>C</td><td>Y = 562,320.6 N, X = 746,278.9 E</td></tr> <tr><td>D</td><td>Y = 562,327.4 N, X = 747,601.6 E</td></tr> <tr><td>E</td><td>Y = 559,680.3 N, X = 746,296.5 E</td></tr> <tr><td>F</td><td>Y = 559,687.5 N, X = 747,618.9 E</td></tr> <tr><td>G</td><td>Y = 557,040.9 N, X = 746,313.9 E</td></tr> <tr><td>H</td><td>Y = 557,048.2 N, X = 747,636.5 E</td></tr> <tr><td>I</td><td>Y = 554,400.4 N, X = 746,331.3 E</td></tr> <tr><td>J</td><td>Y = 554,408.4 N, X = 747,653.8 E</td></tr> </table>	A	Y = 564,960.1 N, X = 746,261.4 E	B	Y = 564,967.0 N, X = 747,584.1 E	C	Y = 562,320.6 N, X = 746,278.9 E	D	Y = 562,327.4 N, X = 747,601.6 E	E	Y = 559,680.3 N, X = 746,296.5 E	F	Y = 559,687.5 N, X = 747,618.9 E	G	Y = 557,040.9 N, X = 746,313.9 E	H	Y = 557,048.2 N, X = 747,636.5 E	I	Y = 554,400.4 N, X = 746,331.3 E	J	Y = 554,408.4 N, X = 747,653.8 E	<p>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.</p> <p>08-16-2018 Date of Survey</p> <p>Signature and Seal of Professional Surveyor: _____</p> <p>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</p> <p>MARK DILLON HARP 23786 Certificate Number AW 2018010132</p>
	A	Y = 564,898.6 N, X = 705,081.0 E																																									
	B	Y = 564,905.5 N, X = 706,403.7 E																																									
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Ascent Energy, LLC

Case No. Exhibit

Gavilon FED COM 506H
C-102 Well Plat

Sept 10, 2018

Affidavit of Publication

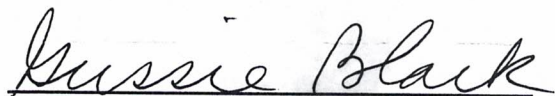
STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

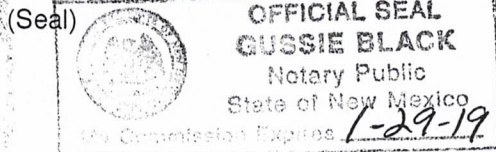
Beginning with the issue dated
January 10, 2019
and ending with the issue dated
January 10, 2019.


Publisher

Sworn and subscribed to before me this
10th day of January 2019.


Business Manager

My commission expires
January 29, 2019



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

Ascent Cases 16484 + 16486

EXHIBIT 4

LEGAL	LEGAL
LEGAL NOTICE JANUARY 10, 2019	
To: John Benedict, or your successors or assigns: Ascent Energy, LLC has filed the following applications with the New Mexico Oil Conservation Division:	
<p>Case No. 16484: Ascent Energy, LLC seeks an order pooling all mineral interests in the Bone Spring formation underlying a 320-acre horizontal spacing unit in the Bone Spring formation comprised of the W/2E/2 of Section 28 and the W/2E/2 of Section 33, Township 20 South, Range 33 East, NMPM. The unit will be dedicated to the Gavilon Fed. Com. Well No. 506H and the Gavilon Fed. Com. Well No. 604H, horizontal Bone Spring wells with first take points in the SW/4SE/4 of Section 33 and last take points in the NW/4NE/4 of Section 28.</p> <p>Case No. 16486: Ascent Energy, LLC seeks an order pooling all mineral interests in the Wolfcamp formation underlying a 320-acre horizontal spacing unit in the Wolfcamp formation comprised of the W/2E/2 of Section 28 and the W/2E/2 of Section 33, Township 20 South, Range 33 East, NMPM. The unit will be dedicated to the Gavilon Fed. Com. Well No. 707H and the Gavilon Fed. Com. Well No. 708H, horizontal Wolfcamp wells with first take points in the SW/4SE/4 of Section 33 and last take points in the NW/4NE/4 of Section 28.</p> <p>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, January 24, 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 3-1/2 miles east-southeast of Halfway, New Mexico.</p> <p>#33615</p>	

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