

**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. 20172

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 Attachments A and B pertain to the Second and Third Bone Spring. 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.
 - (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 both east/west and north/south well. There is no preferred orientation in this area.
 - (d) The C-102s for the Bone Spring wells are attached, showing the first and last take points. The wells comply with the Division's setback requirements.
4. I conclude from the maps that:
 - (a) The 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 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.

EXHIBIT

B

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

VERIFICATION

STATE OF COLORADO)

) ss.

COTY AND COUNTY OF DENVER)

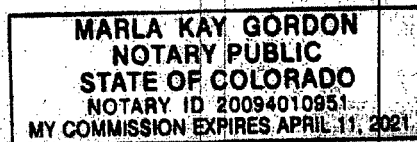
Ben Metz, being duly sworn upon his oath, deposes and states that: He is a geologist for Ascent Energy, LLC; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information,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

B Metz
Ben Metz

SUBSCRIBED AND SWORN TO before me this 9th day of January, 2019 by Ben Metz.

My Commission Expires: 4.11.21

Marla Kay Gordon
Notary Public

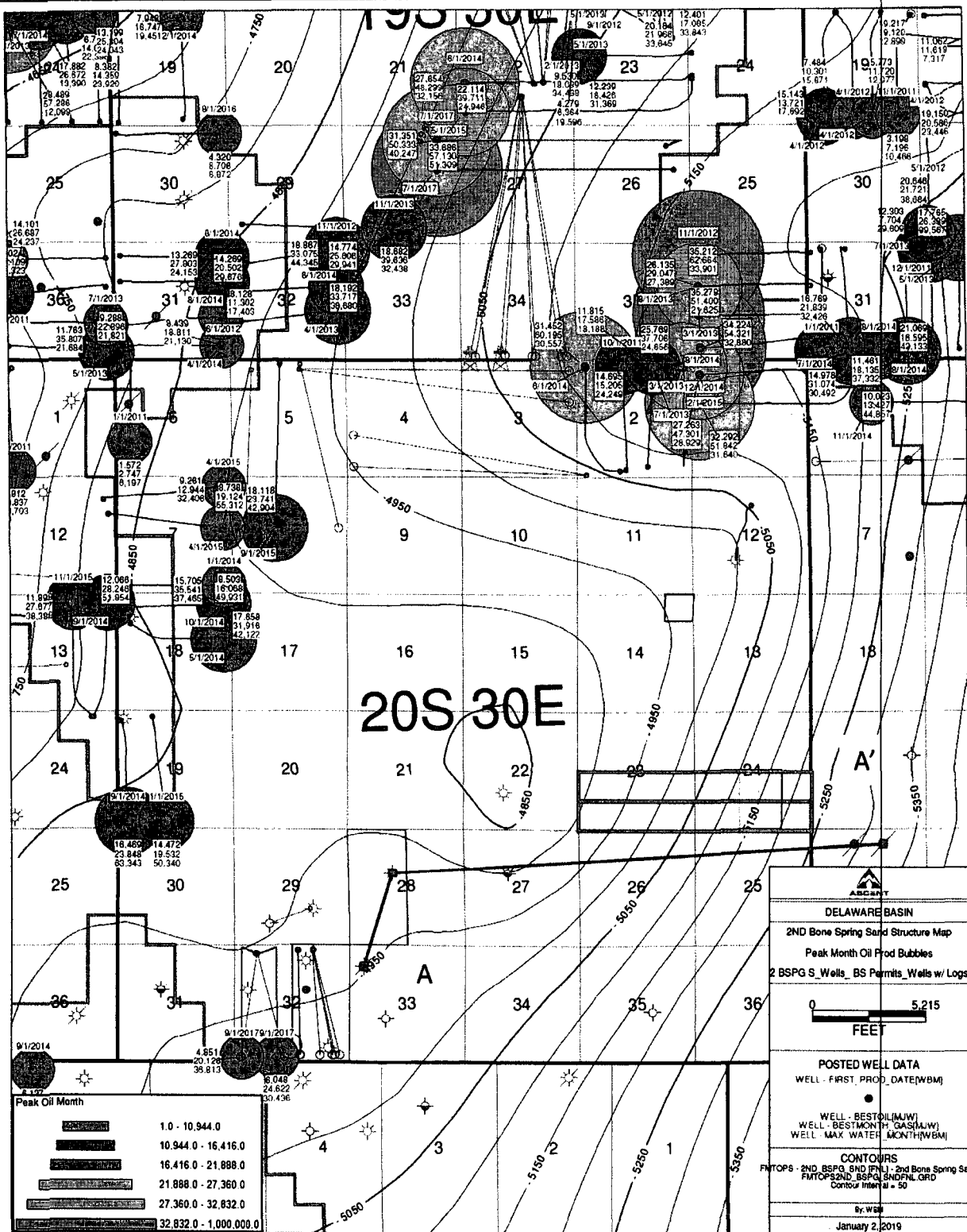


2nd Bone Spring Sand

- S2 S2
- Red Hornet Fed Com 501H
 - N2 S2
- Red Hornet Fed Com 502H

ATTACHMENT

A



Peak Oil Month

1.0 - 10,944.0
10,944.0 - 16,416.0
16,416.0 - 21,888.0
21,888.0 - 27,360.0
27,360.0 - 32,832.0
32,832.0 - 1,000,000.0

DELAWARE BASIN
2ND Bone Spring Sand Structure Map
 Peak Month Oil Prod Bubbles
 2 BSPG S_Wells_BS Permits_Wells w/ Logs

0 5,215
FEET

POSTED WELL DATA
 WELL - FIRST_PROD_DATE[WBM]
 WELL - BESTOIL[MW]
 WELL - BESTMONTH_GAS[MW]
 WELL - MAX_WATER_MONTH[WBM]

CONTOURS
 FWTOPS - 2ND BSPG SHD (FNL) - 2nd Bone Spring Sand
 FWTOPS2ND_BSPG SHD FNL GRD
 Contour Interval = 50

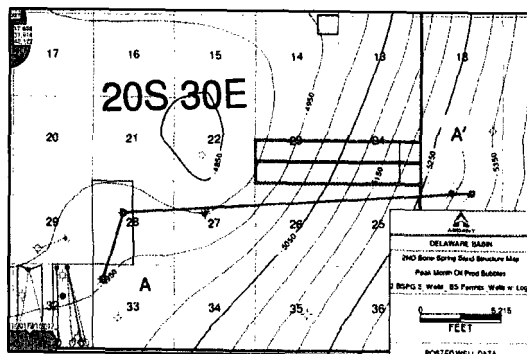
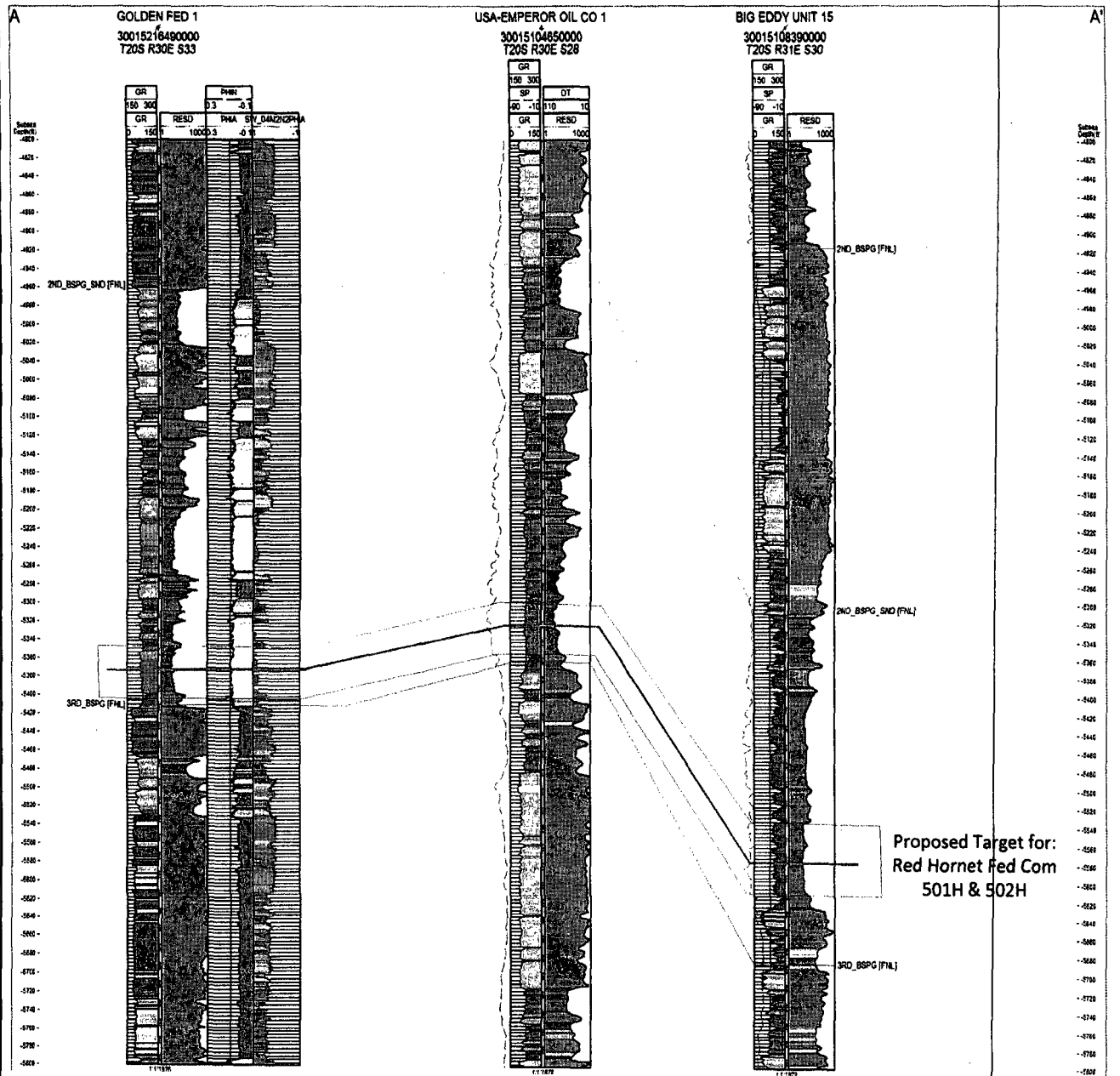
By: WSM
 January 2, 2019



320 Acre Horizontal Spacing Units

- Treated Well
- Well at TD
- Well Spud

Ascent Energy, LLC	
Case No.	Exhibit
2nd Bone Spring Sand Structure Producing 2nd Bone Spring Sand Wells & Bone Spring Permits	
CI = 50'	Jan 2, 2019



Ascent Energy, LLC	
Case No.	Exhibit
Cross Section across 2 nd Bone Spring Sand	
Jan 2, 2019	

Offset 2nd Bone Spring Sand Production Table																
UWI (API Num)	Operator	Well Label	Township	Range	Section	SPUD DATE	COMP DATE	PEAK MONTH OIL	PEAK MONTH GAS	PEAK MONTH WATER	CUM OIL BO	CUM GAS MCF	CUM WTR BW	LATERAL AZIMUTH	HOR. ZONE	
3001537860000	MEWBOURNE OIL COMPANY	THREE PALMS 36 STATE 1H	19S	29E	36	7/18/2010	10/4/2010	6,024	20,109	13,323	93,014	305,187	186,779	E/W	2ND BSPG S	
30015382260100	CIMAREX ENERGY COMPANY	BURTON 6 FEDERAL 1H	20S	30E	6	12/1/2010	1/26/2011	1,572	2,747	6,197	22,238	70,286	101,081	N/S	2ND BSPG S	
30015382440100	COG OPERATING LIMITED LIABILITY CORP	MARAUDER FEDERAL 1H	19S	31E	31	11/14/2010	2/11/2011	14,978	31,074	30,492	160,863	469,637	366,657	N/S	2ND BSPG S	
30015384220000	MEWBOURNE OIL COMPANY	THREE PALMS '36' STA 2H	19S	29E	36	3/31/2011	6/8/2011	14,101	26,687	24,237	114,144	385,383	247,950	E/W	2ND BSPG S	
30015384840100	DEVON ENERGY PRODUCTION COMPANY L P	BEETLE JUICE '19' FE 1H	19S	31E	19	5/31/2011	7/14/2011	3,198	7,196	10,466	70,481	163,752	193,054	N/S	2ND BSPG S	
30015384650100	CIMAREX ENERGY CO OF COLORADO	SUPERIOR FEDERAL 10H	20S	29E	1	5/18/2011	8/3/2011	6,812	13,837	13,703	52,630	175,610	115,072	N/S	2ND BSPG S	
30015392450000	COG OPERATING LIMITED LIABILITY CORP	BUENA VISTA 2 STATE 003H	20S	30E	2	8/16/2011	10/29/2011	14,695	15,205	24,249	182,759	472,460	277,074	N/S	2ND BSPG S	
30015393870000	COG OPERATING LIMITED LIABILITY CORP	BIRDSEYE '32' STATE 4H	19S	31E	32	10/5/2011	12/12/2011	17,765	26,339	39,567	154,885	306,827	429,970	N/S	2ND BSPG S	
30015389890100	DEVON ENERGY PRODUCTION COMPANY L P	BEETLE JUICE '19' FE 2H	19S	31E	19	10/26/2011	1/10/2012	5,773	11,720	12,977	94,008	255,791	280,362	N/S	2ND BSPG S	
30015393930100	DEVON ENERGY PRODUCTION COMPANY L P	RIGEL '20' FEDERAL C 1H	19S	31E	20	12/8/2011	2/25/2012	11,062	11,619	7,317	149,800	272,773	163,238	E/W	2ND BSPG S	
30015393940000	DEVON ENERGY PRODUCTION COMPANY L P	RIGEL '20' FEDERAL C 2H	19S	31E	20	1/24/2012	4/4/2012	19,217	19,120	12,899	186,777	340,496	173,963	E/W	2ND BSPG S	
30015392310000	DEVON ENERGY PRODUCTION COMPANY L P	BEETLE JUICE '19' FE 3H	19S	31E	19	1/8/2012	5/10/2012	7,484	10,301	15,871	74,068	177,065	232,786	N/S	2ND BSPG S	
30015392320000	DEVON ENERGY PRODUCTION COMPANY L P	BEETLE JUICE '19' FE 4H	19S	31E	19	12/7/2011	5/11/2012	15,143	13,721	17,692	108,258	308,504	315,089	N/S	2ND BSPG S	
30015398910100	CIMAREX ENERGY CO OF COLORADO	IRWIN '23-14' FEDERA 001	19S	30E	23	3/31/2012	5/28/2012	20,184	21,966	33,645	186,612	465,143	580,351	N/S	2ND BSPG S	
30015397250100	DEVON ENERGY PRODUCTION COMPANY L P	RIGEL '20' FEDERAL C 3H	19S	31E	20	2/28/2012	6/12/2012	19,150	20,586	23,446	171,766	305,558	212,370	E/W	2ND BSPG S	
30015395110000	EOG Y RESOURCES INC	HANAGAN 'API' FEDERA 2H	19S	30E	31	3/7/2012	6/14/2012	8,128	11,302	17,403	131,767	292,733	339,256	E/W	2ND BSPG S	
30015397260000	DEVON ENERGY PRODUCTION COMPANY L P	RIGEL '20' FEDERAL C 4H	19S	31E	20	3/4/2012	6/26/2012	19,140	17,130	19,535	174,453	320,837	251,553	E/W	2ND BSPG S	
30015404040000	EOG Y RESOURCES INC	ZIA 'AHZ' FEDERAL CO 2H	20S	29E	13	6/18/2012	8/13/2012	7,621	26,366	42,234	97,372	329,742	499,781	E/W	2ND BSPG S	
30015398920000	CIMAREX ENERGY CO OF COLORADO	IRWIN '23-14' FEDERA 2	19S	30E	23	6/29/2012	9/6/2012	12,401	17,085	33,843	134,127	292,082	449,241	N/S	2ND BSPG S	
30015402530000	COG OPERATING LIMITED LIABILITY CORP	SALADA VISTA 36 STAT 2H	19S	31E	31	7/27/2012	11/14/2012	35,212	62,664	33,901	284,738	679,697	414,735	E/W	2ND BSPG S	
30015405860100	COG OPERATING LIMITED LIABILITY CORP	SHOELESS JOE 32 STAT 1H	19S	30E	32	9/9/2012	11/30/2012	18,867	33,075	44,345	136,831	251,455	315,572	E/W	2ND BSPG S	
30015407890000	COG OPERATING LIMITED LIABILITY CORP	BUENA VISTA 2 STATE 1H	20S	30E	2	11/30/2012	4/3/2013	25,769	37,706	24,656	195,144	640,148	248,000	N/S	2ND BSPG S	
30015410280000	COG OPERATING LIMITED LIABILITY CORP	SHOELESS JOE 32 STAT 3H	19S	30E	32	2/11/2013	4/10/2013	18,192	33,717	38,680	159,920	519,804	524,393	E/W	2ND BSPG S	
30015409330000	COG OPERATING LIMITED LIABILITY CORP	SALADA VISTA 36 STAT 4H	19S	31E	31	1/25/2013	4/11/2013	35,279	51,400	21,625	331,297	779,361	384,456	E/W	2ND BSPG S	
30015398940000	CIMAREX ENERGY CO OF COLORADO	IRWIN '23-14' FEDERA 4H	19S	30E	23	2/16/2013	5/18/2013	4,279	6,364	19,596	31,191	113,286	129,280	E/W	2ND BSPG S	
30015411150100	CIMAREX ENERGY COMPANY	HACKBERRY 23 FEDERAL 1H	19S	30E	24	3/13/2013	5/28/2013	12,239	18,426	31,369	115,777	277,341	375,095	E/W	2ND BSPG S	
30015408910000	COG OPERATING LIMITED LIABILITY CORP	BIRDSEYE 32 STATE 3H	19S	31E	32	3/15/2013	5/30/2013	20,646	21,721	38,684	125,098	267,116	342,781	N/S	2ND BSPG S	
30015412900000	COG OPERATING LIMITED LIABILITY CORP	BUENA VISTA 2 STATE 2H	20S	30E	2	5/30/2013	7/25/2013	11,815	17,586	18,188	140,173	335,407	199,708	N/S	2ND BSPG S	
30015399750000	COG OPERATING LIMITED LIABILITY CORP	SUPER FORTRESS '29' 4H	19S	31E	29	6/5/2012	8/14/2013	12,303	7,704	29,609	78,631	145,417	281,917	N/S	2ND BSPG S	
30015411570000	COG OPERATING LIMITED LIABILITY CORP	SALADA VISTA 36 STAT 3H	19S	31E	31	7/4/2013	8/26/2013	26,135	29,047	27,389	207,401	580,666	387,240	E/W	2ND BSPG S	
30015404260000	EOG Y RESOURCES INC	ANTWEIL 'ANU' FEDERA 4H	19S	30E	29	6/30/2013	11/7/2013	18,682	39,636	32,438	208,577	491,533	387,731	E/W	2ND BSPG S	
30015414200000	MEWBOURNE OIL COMPANY	TWO MESAS '7' MP FED 1H	20S	30E	7	10/31/2013	2/20/2014	8,503	16,068	49,931	59,759	155,752	394,622	E/W	2ND BSPG S	
30015398010000	EOG Y RESOURCES INC	HANAGAN 'API' FEDERA 3H	19S	30E	31	1/9/2014	4/14/2014	8,439	18,811	21,130	91,200	297,830	274,399	E/W	2ND BSPG S	
30015419380000	COG OPERATING LIMITED LIABILITY CORP	COINFLIP STATE COM 3H	20S	30E	18	3/3/2014	6/1/2014	17,658	31,916	42,122	106,360	327,387	420,505	E/W	2ND BSPG S	
30015412380000	COG OPERATING LIMITED LIABILITY CORP	SHOELESS JOE 32 STAT 2H	19S	30E	32	3/25/2014	6/21/2014	14,774	25,606	29,941	139,781	509,453	438,901	E/W	2ND BSPG S	
30015420930000	CIMAREX ENERGY COMPANY	HACKBERRY 23 FEDERAL 2H	19S	30E	24	4/19/2014	6/28/2014	27,654	48,299	32,156	277,412	871,996	532,601	E/W	2ND BSPG S	
30015398590000	EOG Y RESOURCES INC	SOUTHLAND ROYALTY AP 4H	19S	29E	24	2/20/2014	6/28/2014	17,882	26,672	13,390	82,588	289,120	72,534	N/S	2ND BSPG S	
30015418290000	COG OPERATING LIMITED LIABILITY CORP	BUENA VISTA 2 STATE 4H	20S	30E	2	4/11/2014	7/1/2014	31,452	60,195	30,557	242,281	649,098	226,349	N/S	2ND BSPG S	
30015398580000	EOG Y RESOURCES INC	SOUTHLAND ROYALTY AP 3H	19S	29E	24	3/24/2014	7/26/2014	13,199	25,304	24,043	64,416	234,378	141,220	N/S	2ND BSPG S	
30015418100000	COG OPERATING LIMITED LIABILITY CORP	MARAUDER 31 FEDERAL 2H	19S	31E	31	4/29/2014	7/28/2014	16,769	21,839	32,426	141,472	342,788	424,388	N/S	2ND BSPG S	
30015418110000	COG OPERATING LIMITED LIABILITY CORP	MARAUDER 31 FEDERAL 4H	19S	31E	31	5/21/2014	8/20/2014	21,069	16,595	42,133	169,744	342,809	464,363	N/S	2ND BSPG S	
30015418300000	COG OPERATING LIMITED LIABILITY CORP	SALADA VISTA 36 STAT 5H	19S	31E	31	5/3/2014	8/23/2014	34,224	54,321	32,880	238,042	835,636	391,987	E/W	2ND BSPG S	
30015415690000	COG OPERATING LIMITED LIABILITY CORP	MARAUDER 31 FEDERAL 3H	19S	31E	31	4/10/2014	8/25/2014	11,461	18,135	37,332	118,014	273,721	414,649	N/S	2ND BSPG S	
30015392410000	EOG Y RESOURCES INC	NUCLEUS BGN FEDERAL 001H	19S	30E	31	4/8/2014	9/21/2014	14,269	20,502	29,676	99,652	255,257	294,331	E/W	2ND BSPG S	
30015423230000	COG OPERATING LIMITED LIABILITY CORP	CRAPSHOOT 13 FEDERAL 1H	20S	29E	24	5/28/2014	9/8/2014	12,066	28,246	51,854	81,240	339,931	396,251	N/S	2ND BSPG S	
30015394210000	EOG Y RESOURCES INC	FOCUS 'BDB' FEDERAL 1H	19S	30E	31	5/7/2014	9/8/2014	13,269	27,803	24,153	91,471	314,820	237,335	E/W	2ND BSPG S	
30015397490000	EOG Y RESOURCES INC	SOUTHLAND ROYALTY AP 2H	19S	29E	24	4/24/2014	9/17/2014	6,742	14,050	22,396	54,485	159,378	123,956	N/S	2ND BSPG S	
30015415380000	COG OPERATING LIMITED LIABILITY CORP	RUNNING BUFFALO 1 FE 1H	21S	28E	1	6/14/2014	9/21/2014	6,137	18,889	31,775	51,541	188,543	260,190	N/S	2ND BSPG S	
30015420850000	COG OPERATING LIMITED LIABILITY CORP	DARTHROW STATE 2H	20S	30E	19	6/26/2014	10/1/2014	16,469	23,848	63,343	108,059	345,138	538,894	N/S	2ND BSPG S	
30015419370000	COG OPERATING LIMITED LIABILITY CORP	COINFLIP STATE COM 2H	20S	30E	18	2/6/2014	10/22/2014	15,705	35,541	37,465	126,254	569,788	369,758	E/W	2ND BSPG S	
30015425450000	MARATHON OIL PERMIAN LLC	PARKWAY 19 1B FEDERA 1H	19S	30E	19	9/6/2014	12/20/2014	8,382	14,359	23,920	72,439	161,200	127,641	N/S	2ND BSPG S	
30015427190000	COG OPERATING LIMITED LIABILITY CORP	DARTHROW STATE 4H	20S	30E	19	10/15/2014	1/10/2015	14,472	19,532	50,340	79,696	296,785	415,169	N/S	2ND BSPG S	
30015427050000	BOPCO LIMITED PARTNERSHIP	HASTA LA VISTA 1 DI 2Y	20S	31E	6	10/19/2014	2/18/2015	32,292	51,842	31,640	332,156	1,038,215	396,663	E/W	2ND BSPG S	
30015425330000	BOPCO LIMITED PARTNERSHIP	HASTA LA VISTA 1 DI 1H	20S	31E	6	9/18/2014	2/18/2015	27,263	47,301	28,929	245,893	701,849	404,077	E/W	2ND BSPG S	
30015405230000	EOG Y RESOURCES INC	ANTWEIL 'ANU' FEDERA 3H	19S	30E	19	10/7/2014	2/26/2015	7,948	16,747	19,454	48,819	143,220	116,798	N/S	2ND BSPG S	
30015420780000	CIMAREX ENERGY COMPANY	HACKBERRY 23 FEDERAL 3H	19S	30E	24	11/4/2014	2/28/2015	22,114	39,711	24,946	257,712	750,034	488,215	E/W	2ND BSPG S	
30015427360000	COG OPERATING LIMITED LIABILITY CORP	MOSSY FEDERAL 2H	20S	29E	12	1/9/2015	4/12/2015	8,738	19,124	55,312	87,569	285,524	413,580	E/W	2ND BSPG S	
30015427350000	COG OPERATING LIMITED LIABILITY CORP	MOSSY FEDERAL 1H	20S	29E	12	12/7/2014	6/8/2015	9,261	12,944	32,406	81,830	148,625	312,241	E/W	2ND BSPG S	
30015425690000	CHI OPERATING INCORPORATED	FREEWAY FEDERAL COM 2H	19S	30E	30	10/10/2014	9/18/2015	4,320	8,708	6,872	48,946	105,363	88,790	E/W	2ND BSPG S	
30015432270000	COG OPERATING LIMITED LIABILITY CORP	SOLUTION FEDERAL COM 3H	20S	30E	5	8/2/2015	10/4/2015	18,118	23,741	42,904	99,094	334,810	330,443	N/S	2ND BSPG S	
30015431580000	COG OPERATING LIMITED LIABILITY CORP	CRAPSHOOT 13 FEDERAL 2H	20S	29E	24	6/8/2015	11/15/2015	11,898	27,677	38,388	90,851	357,097	406,449	N/S	2ND BSPG S	
30015438560000	CIMAREX ENERGY COMPANY	HACKBERRY 26 FEDERAL 001H	19S	30E	26	4/15/2017	7/17/2017	31,351	50,333	40,247	220,930	523,971	385,190	E/W	2ND BSPG S	
30015438570000	CIMAREX ENERGY COMPANY	HACKBERRY 26 FEDERAL 002H	19S	30E	26	3/4/2017	7/22/2017	33,686	57,130	51,309	266,393	601,783	411,196	E/W	2ND BSPG S	
30015440990000	MATADOR PRODUCTION COMPANY	HEYCO STATE 122H	20S	30E	32	4/16/2017	8/8/2017	6,048	24,622	30,436	24,735	103,329	137,583	N/S	2ND BSPG S	
30015440830000	MATADOR PRODUCTION COMPANY	HEYCO STATE 121H	20S	30E	32	4/18/2017	8/8/2017	4,851	20,126							

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) 748-0720

District III
1000 Rio Breros Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87503
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 RED HORNET FED COM	⁶ Well Number 501H
⁷ OGRID No. 325830	⁸ Operator Name ASCENT ENERGY	⁹ Elevation 3,5048'

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
P	24	20 S	30 E		1,044	SOUTH	51	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	23	20 S	30 E		660	SOUTH	100	WEST	EDDY

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.

16		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. 01-08-2019 Date of Survey _____ Signature and Seal of Professional Surveyor: _____ FOR RECORD: THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE AND SHALL NOT BE USED OR MISSED OR FILED UPON AS A PUBLIC RECORD MARK DILLON HARP 23786 Certificate Number _____ RR 2018051336		

Ascent Energy, LLC	
Case No.	Exhibit
RED HORNET FED COM 501H C-102 Well Plat	
Jan 8, 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 Braños Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
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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
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Submit one copy to appropriate
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
⁴ Property Code	⁵ Property Name RED HORNET FED COM	
⁷ OGRID No. 325830	⁸ Operator Name ASCENT ENERGY	⁶ Well Number 502H ⁹ Elevation 3,548'

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
P	24	20 S	30 E		1,074	SOUTH	51	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	23	20 S	30 E		1,980	SOUTH	100	WEST	EDDY

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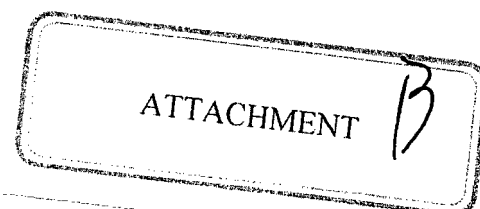
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

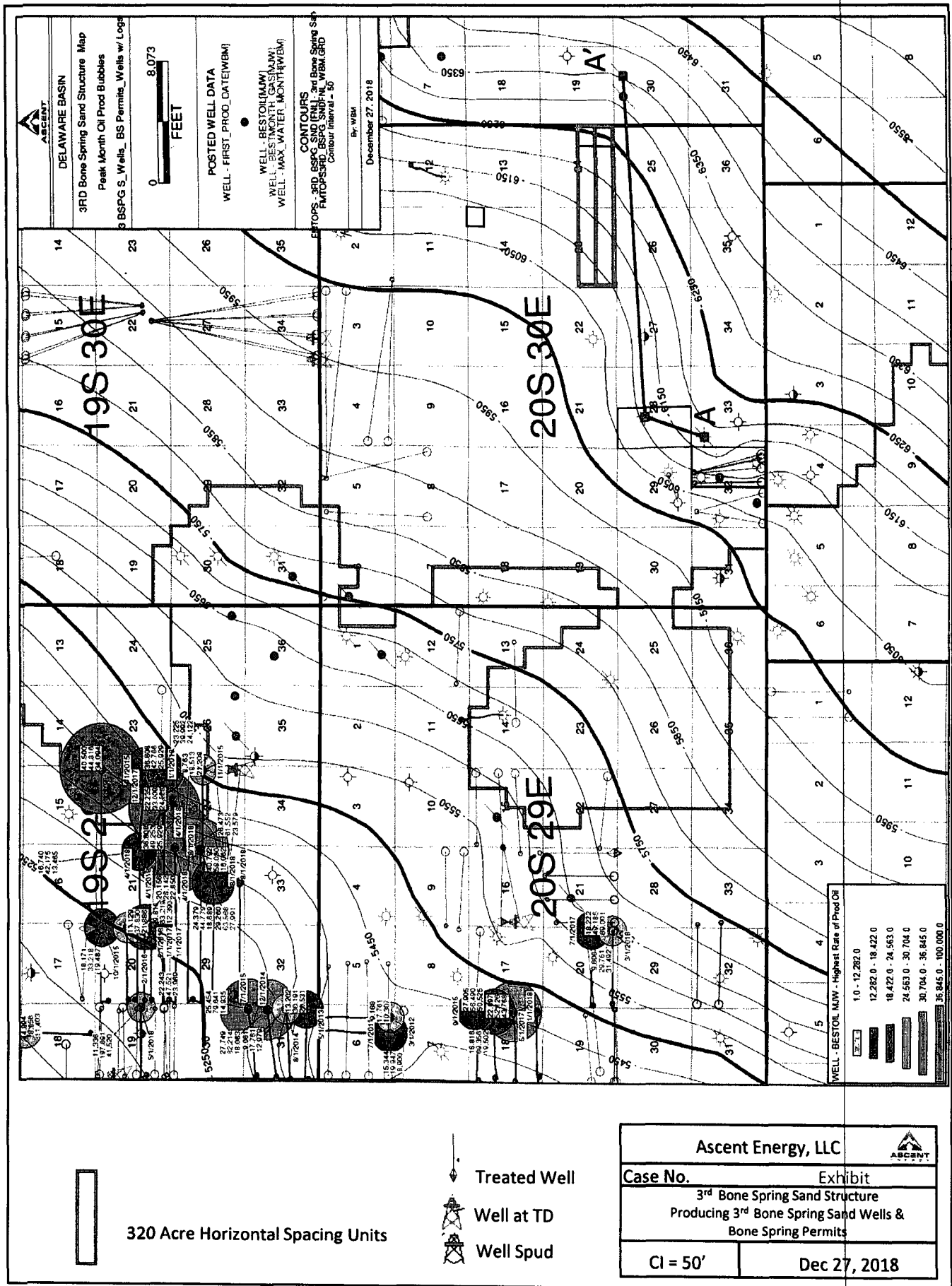
¹⁶ SEC. 23 T20S R30E L.T.P./B.H.L. GRID AZ = 289°44'02" HORIZ. DIST. = 10,385.42' SEC. 24 T20S R30E F.T.P. GRID AZ = 356°47'27" HORIZ. DIST. = 907.05' SEC. 19 T20S R31E 100' S.H.L. 51' GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y = 565,708.8 X = 689,530.0 LAT. = 32.554502°N LONG. = 103.917271°W FIRST TAKE POINT NAD 83 NME Y = 566,614.4 X = 689,479.2 LAT. = 32.556991°N LONG. = 103.917425°W LAST TAKE POINT/BOTTOM HOLE LOCATION NAD 83 NME Y = 566,566.2 X = 689,093.9 LAT. = 32.556966°N LONG. = 103.951132°W CORNER COORDINATES TABLE NAD 83 NME A - Y = 565,908.8 N, X = 658,995.5 E B - Y = 567,227.7 N, X = 658,992.4 E C - Y = 565,914.8 N, X = 661,647.5 E D - Y = 567,234.8 N, X = 661,643.1 E E - Y = 565,917.4 N, X = 664,300.5 E F - Y = 567,241.9 N, X = 664,291.1 E G - Y = 565,935.2 N, X = 666,938.6 E H - Y = 567,256.4 N, X = 666,933.0 E I - Y = 565,953.0 N, X = 669,580.5 E J - Y = 567,270.9 N, X = 669,578.0 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. 01-08-2019 Date of Survey Signature and Seal of Professional Surveyor: _____ FORRECORD, THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE AND SHALL NOT BE USED OR REPRODUCED UPON AS A FINAL SURVEY DOCUMENT MARK DILLON HARP 23786 Certificate Number RR 2018123069	
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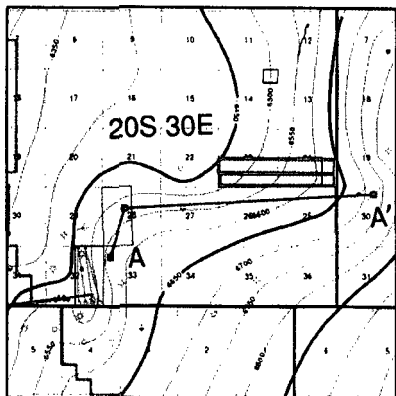
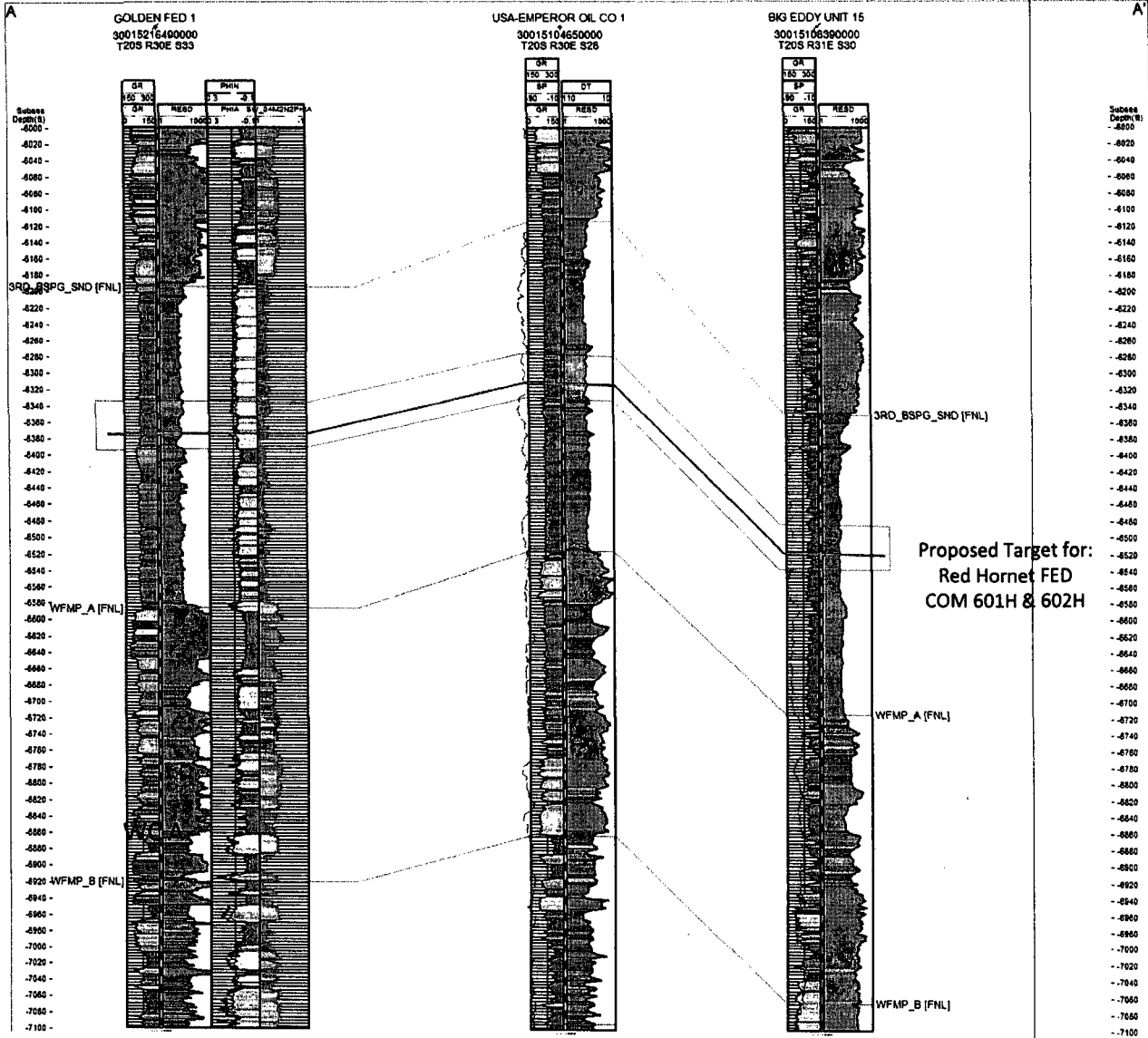
Ascent Energy, LLC		
Case No.	Exhibit	
RED HORNET FED COM 502H C-102 Well Plat		
Jan 8, 2019		

3rd Bone Spring Sand

- S2 S2
- Red Hornet Fed Com 601H
- N2 S2
- Red Hornet Fed Com 602H







Ascent Energy, LLC		
Case No.	Exhibit	
Cross Section across 3 RD Bone Spring Sand		
Dec 27, 2018		

Offset 3rd 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	PEAK MONTH GAS	PEAK MONTH WATER	6 MONTH CUM OIL	6 MONTH CUM GAS	6 MONTH CUM WATER	CUM OIL	CUM GAS	CUM WTR	LATERAL AZIMUTH	HOR. ZONE
30015382580000	COG OPERATING LIMITED LIABILITY CORP	PHANTOM '18' STATE 2H	19S	29E	18	12/23/2010	6/21/2011	229	584	402	4,894	8,856	11,403	16,594	37,747	37,865	62,321	242,965	115,262	NS	3RD BSPG S
30015371980000	MEWBOURNE OIL COMPANY	RUGER 6 FEDERAL COM 3H	20S	29E	6	4/15/2011	7/14/2011	712	707	960	15,344	19,947	8,900	44,093	90,028	21,083	119,108	466,239	69,079	NS	3RD BSPG S
30015396860000	MEWBOURNE OIL COMPANY	RUGER '6' FEDERAL CO 4H	20S	29E	6	1/24/2012	3/25/2012	319	340	1,780	9,168	17,761	10,307	27,263	56,999	23,713	79,025	223,656	68,019	NS	3RD BSPG S
30015402420000	MEWBOURNE OIL COMPANY	RUGER '31' MP FEDERA 1H	19S	29E	31	2/28/2013	5/10/2013	440	639	1,214	13,202	30,191	20,531	45,463	150,933	47,788	102,671	580,118	122,098	EW	3RD BSPG S
30015416790000	MEWBOURNE OIL COMPANY	RUGER '31' LI FEDERA 1H	19S	29E	31	6/27/2014	8/24/2014	557	799	1,220	9,061	17,761	12,979	38,873	80,124	46,359	77,502	300,271	94,411	EW	3RD BSPG S
30015425950000	MEWBOURNE OIL COMPANY	RUGER 31 B3EH FEDERA 2H	19S	29E	31	10/6/2014	12/13/2014	400	502	1,705	27,749	82,214	18,063	97,133	382,823	65,790	193,184	902,164	166,259	EW	3RD BSPG S
30015428090100	DEVON ENERGY PRODUCTION COMPANY L	DIAMOND PWU 22 11H	19S	29E	21	3/4/2015	5/8/2015	764	1,002	704	22,235	33,008	24,528	81,880	144,050	98,633	267,608	677,525	416,137	EW	3RD BSPG S
30015430630000	MEWBOURNE OIL COMPANY	RUGER 31 B3DA FEDERA 2H	19S	29E	31	5/5/2015	7/30/2015	560	937	2,137	25,454	79,641	14,935	84,798	189,469	48,463	248,709	1,243,399	174,221	EW	3RD BSPG S
30015429690000	MEWBOURNE OIL COMPANY	DERRINGER 18 B3DA FE 2H	20S	29E	18	7/9/2015	9/10/2015	744	977	1,831	16,816	69,356	19,502	72,904	239,074	65,116	203,408	1,059,402	287,183	EW	3RD BSPG S
30015429460000	DEVON ENERGY PRODUCTION COMPANY L	EMERALD PWU 20 9H	19S	29E	20	8/14/2015	10/26/2015	686	738	851	18,171	33,218	19,487	76,122	156,446	69,916	231,171	578,652	142,970	EW	3RD BSPG S
30015433210000	DEVON ENERGY PRODUCTION COMPANY L	TURQUOISE PWU 27 10H	19S	29E	28	9/18/2015	12/6/2015	338	793	1,228	8,763	18,513	21,208	32,898	70,505	102,366	88,577	187,829	229,009	EW	3RD BSPG S
30015433220000	DEVON ENERGY PRODUCTION COMPANY L	EMERALD PWU 20 10H	19S	29E	20	9/27/2015	2/13/2016	1,256	812	717	11,129	37,830	21,886	49,707	144,906	56,640	142,004	536,901	222,462	EW	3RD BSPG S
30015433820000	DEVON ENERGY PRODUCTION COMPANY L	EMERALD PWU 20 66H	19S	29E	20	10/8/2015	2/21/2016	727	1,037	634	20,156	28,142	22,850	62,895	127,711	57,845	169,977	424,150	239,811	EW	3RD BSPG S
30015433710000	DEVON ENERGY PRODUCTION COMPANY L	EMERALD PWU 20 11H	19S	29E	20	10/15/2015	1/24/2017	297	335	495	9,816	63,219	12,390	37,397	228,899	61,799	71,820	507,021	120,682	EW	3RD BSPG S
30015433720000	DEVON ENERGY PRODUCTION COMPANY L	EMERALD PWU 20 62H	19S	29E	20	10/29/2015	1/24/2017	478	311	1,065	22,243	47,521	23,969	82,068	206,013	77,142	149,870	485,675	171,295	EW	3RD BSPG S
30015435780000	MEWBOURNE OIL COMPANY	DERRINGER 18 B3EH FE 002H	20S	29E	18	2/15/2017	5/24/2017	411	723	2,553	22,097	52,126	43,768	82,363	245,715	145,767	146,420	408,087	263,136	EW	3RD BSPG S
30015441830000	MATADOR PRODUCTION COMPANY	STEBBINS 20 FEDERAL 133H	20S	29E	20	5/17/2017	7/14/2017	845	2,413	3,234	18,222	49,185	69,001	45,534	131,553	180,370	74,767	231,437	252,497	EW	3RD BSPG S
30015440970000	DEVON ENERGY PRODUCTION COMPANY L	EMERALD PWU 20 22 012H	19S	29E	20	7/9/2017	9/15/2017	1,320	2,088	816	36,808	49,253	25,929	152,963	239,260	105,230	172,088	281,011	105,230	EW	3RD BSPG S
30015441750000	MATADOR PRODUCTION COMPANY	STEBBINS 20 FEDERAL 134H	20S	29E	20	8/31/2017	11/8/2017	647	1,254	3,120	9,606	29,761	31,492	39,375	138,163	130,624	41,178	143,137	135,713	EW	3RD BSPG S
30015442010000	DEVON ENERGY PRODUCTION COMPANY L	AGATE PWU 21 22 062H	19S	29E	20	7/15/2017	Est: 1/1/2018	1,319	1,950	743	23,225	39,992	24,122	93,545	132,572	79,206	126,651	211,726	121,661	EW	3RD BSPG S
30015444310000	MEWBOURNE OIL COMPANY	DERRINGER 18 B3LI FE 2H	20S	29E	18	9/17/2017	1/6/2018	872	1,664	2,900	27,905	56,490	50,525	129,181	294,723	198,521	150,081	362,195	232,282	EW	3RD BSPG S
30015441160000	DEVON ENERGY PRODUCTION COMPANY L	AGATE PWU 21 22 009H	19S	29E	20	5/19/2017	1/16/2018	1,186	2,542	1,509	40,500	44,816	34,094	135,543	190,819	102,036	187,789	308,685	151,750	EW	3RD BSPG S
30015442000000	DEVON ENERGY PRODUCTION COMPANY L	AGATE PWA 21 011H	19S	29E	20	6/20/2017	1/31/2018	1,056	2,232	720	16,740	42,175	13,465	69,331	224,221	56,866	76,599	261,568	63,333	EW	3RD BSPG S
30015440970100	DEVON ENERGY PROD	EMERALD PWU 20 22 012H	19S	29E	20	9/22/2017	4/15/2018	1,320	2,088	816	36,808	42,766	25,929	152,963	239,260	90,482	172,088	281,011	105,230	EW	3RD BSPG S
30015440980000	DEVON ENERGY PRODUCTION COMPANY L	ONYX PWU 29-28 009H	19S	29E	29	9/6/2017	4/21/2018	1,008	2,088	1,320	40,792	58,030	16,062	131,814	217,883	75,400	145,250	250,485	75,400	EW	3RD BSPG S
30015443720000	DEVON ENERGY PRODUCTION COMPANY L	ONYX PWU 29-28 011H	19S	29E	29	11/29/2017	5/5/2018	1,899	2,820	904	24,379	44,779	18,689	3 Months	3 Months	3 Months	57,808	122,602	47,636	EW	3RD BSPG S
30015443620000	DEVON ENERGY PRODUCTION COMPANY L	ONYX PWU 29-28 061H	19S	29E	29	8/24/2017	5/26/2018	1,464	2,664	1,080	26,473	61,552	23,579	3 Months	3 Months	3 Months	67,676	171,151	63,990	EW	3RD BSPG S
30015443630000	DEVON ENERGY PRODUCTION COMPANY L	ONYX PWU 29-28 010H	19S	29E	29	8/25/2017	5/26/2018	1,464	2,664	1,080	29,260	63,566	27,991	3 Months	3 Months	3 Months	72,737	174,898	73,849	EW	3RD BSPG S
30015446880000	MATADOR PRODUCTION COMPANY	MARBOB 19 STATE COM 133H	19S	29E	19	3/28/2018	5/29/2018	555	1,175	1,385	11,336	197,691	41,520	37,370	279,850	120,469	37,370	279,850	120,469	EW	3RD BSPG S
30015443550000	DEVON ENERGY PROD	ONYX PWU 29 28 012H	19S	29E	29	11/18/2017	9/6/2018	1,178	1,776	980	24,718	58,805	19,340	2 Months	2 Months	2 Months	47,496	105,939	34,129	EW	3RD BSPG S
30015448160000	MEWBOURNE OIL CO	DERRINGER 18 B3MP FE 002H	20S	29E	18	4/20/2018	9/8/2018	433	1,094	2,290	24,718	47,862	43,324	2 Months	2 Months	2 Months	44,286	85,031	93,604	EW	3RD BSPG S

Ascent Energy, LLC

Case No. _____ Exhibit _____

3rd Bone Spring Sand Production Data Table

Jan 2, 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
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 RED HORNET FED COM	⁶ Well Number 601H
⁷ OGRID No. 325830	⁸ Operator Name ASCENT ENERGY	⁹ Elevation 3,534'

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
N	19	20 S	31 E		968	SOUTH	1,737	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	23	20 S	30 E		990	SOUTH	100	WEST	EDDY

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 SEC. 23 T20S R30E GRID AZ = 269°44'02" HORIZ. DIST. = 10,385.07' SEC. 24 T20S R30E GRID AZ = 270°18'12" HORIZ. DIST. = 1,837.05' SEC. 19 T20S R31E S.H.L. F.T.P. 100' 1737' GEODETTIC COORDINATES NAD 83 NME SURFACE LOCATION Y = 565,614.7 X = 671,318.2 LAT. = 32.554223°N LONG. = 103.911469°W FIRST TAKE POINT NAD 83 NME Y = 565,624.4 X = 669,481.2 LAT. = 32.554270°N LONG. = 103.917431°W LAST TAKE POINT/BOTTOM HOLE LOCATION NAD 83 NME Y = 565,576.2 X = 659,098.2 LAT. = 32.554244°N LONG. = 103.951136°W CORNER COORDINATES TABLE NAD 83 NME A - Y = 565,906.8 N, X = 658,995.5 E B - Y = 564,585.8 N, X = 658,998.5 E C - Y = 565,914.8 N, X = 661,647.5 E D - Y = 564,594.7 N, X = 661,651.8 E E - Y = 565,917.4 N, X = 664,309.5 E F - Y = 564,592.9 N, X = 664,309.9 E G - Y = 565,935.2 N, X = 666,938.6 E H - Y = 564,614.1 N, X = 666,944.2 E I - Y = 565,953.0 N, X = 669,580.5 E J - Y = 564,635.2 N, X = 669,583.1 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. 01-08-2019 Date of Survey Signature and Seal of Professional Surveyor: _____ MARK DILLON HARP 23786 Certificate Number RR 2018051335		

Ascent Energy, LLC	
Case No.	Exhibit
RED HORNET FED COM 601H C-102 Well Plat	
Jan 8, 2019	

District I
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name	
⁴ Property Code		⁵ Property Name RED HORNET FED COM			
⁷ OGRID No. 325830		⁸ Operator Name ASCENT ENERGY			
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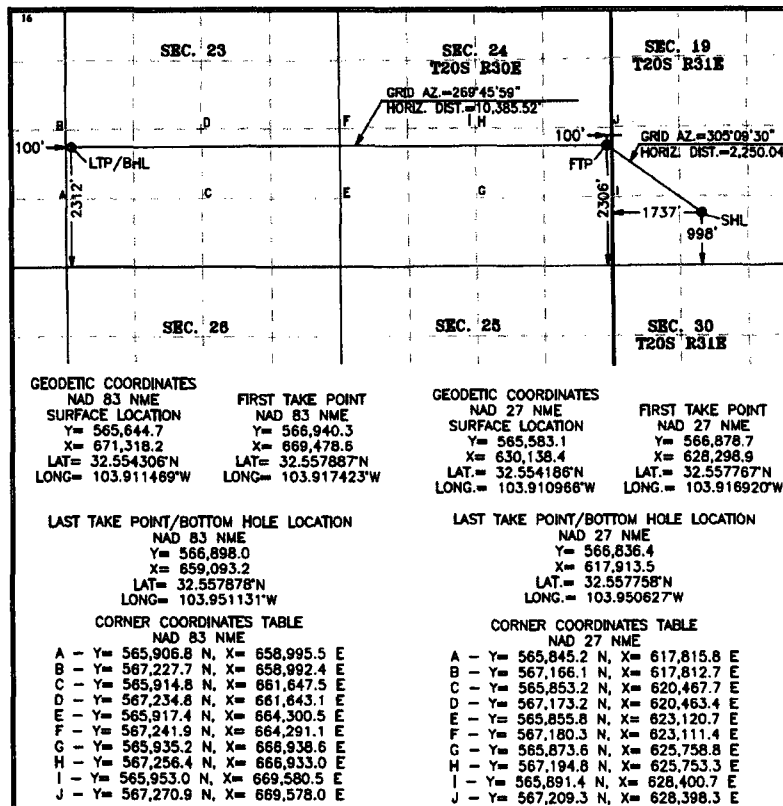
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	23	20 S	30 E		2,312	SOUTH	100	WEST	EDDY

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.



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.

01-08-2019

Date of Survey

Signature and Seal of
Professional Surveyor:

PRELIMINARY. THIS DOCUMENT SHALL NOT BE REPRODUCED FOR ANY PURPOSE AND SHALL NOT BE USED OR REFERRED TO OR RELIED UPON AS A FINAL SURVEY DOCUMENT

MARK DILLON HARP 23786
Certificate Number

TM

2018123070

Ascent Energy, LLC

Case No.

Exhibit

RED HORNET FED COM 602H
C-102 Well Plat

Jan 8, 2019