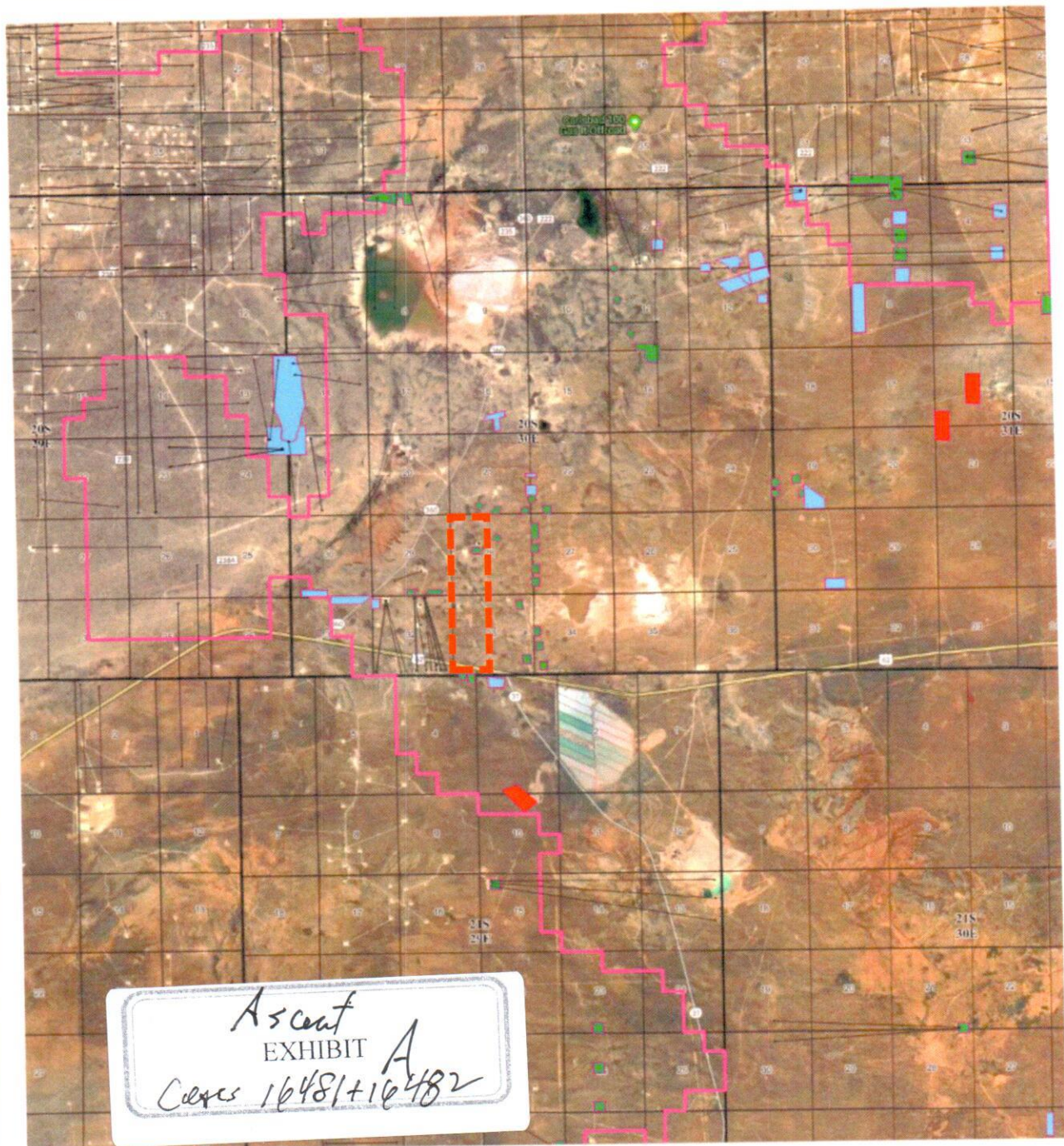




Anvil Development Area  
T20S-R30E  
 Section 28: W2  
 Section 33: W2  
 640.00 acres

Ascent Energy, LLC

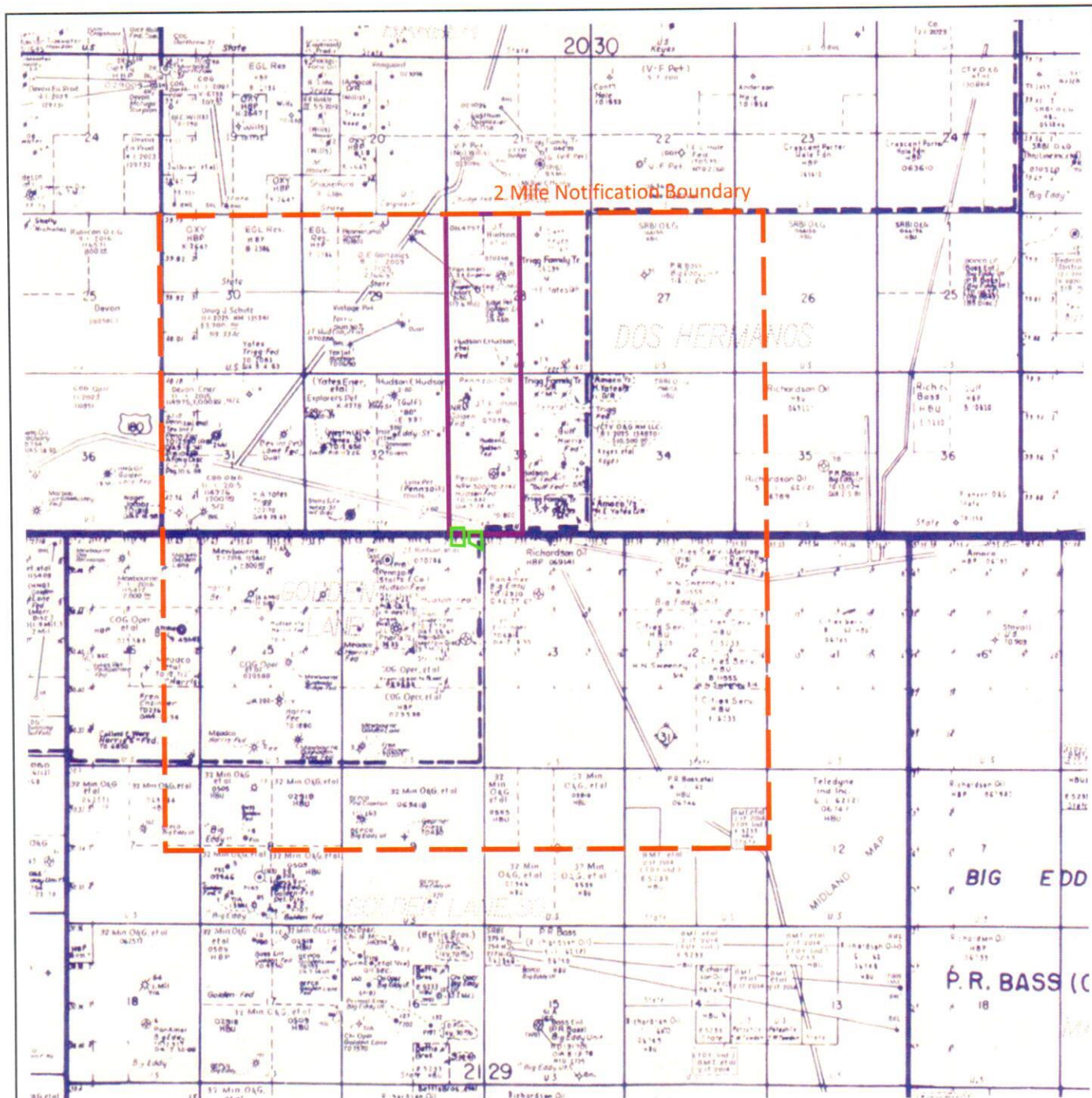


Exhibit

Location Map  
T20S-R30E

Case No. 16481 & 16482





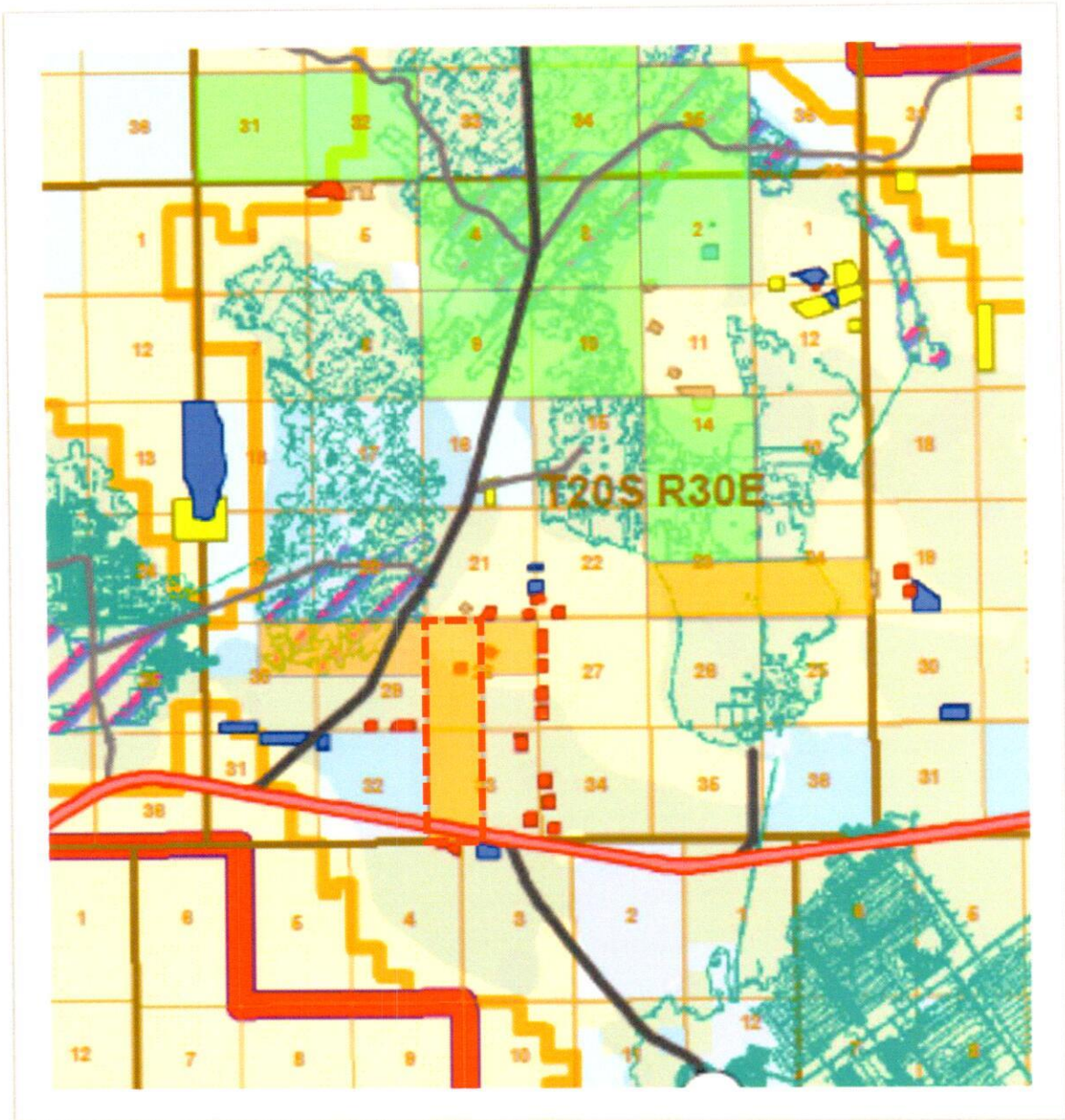
- 2 mile notification boundary from SHL's
- Anvil Development Area Outline
- Anvil Drill Islands/Pads



|                                 |  |
|---------------------------------|--|
| Ascent Energy, LLC              |  |
| Notification Area               |  |
| Proposed Anvil Development Area |  |
| Case No. 16481 & 16482          |  |



## BLM Carlsbad Field Office Development Areas



Anvil Development Area  
T20S-R30E  
 Section 28: W2  
 Section 33: W2  
 640.00 acres

Ascent Energy, LLC

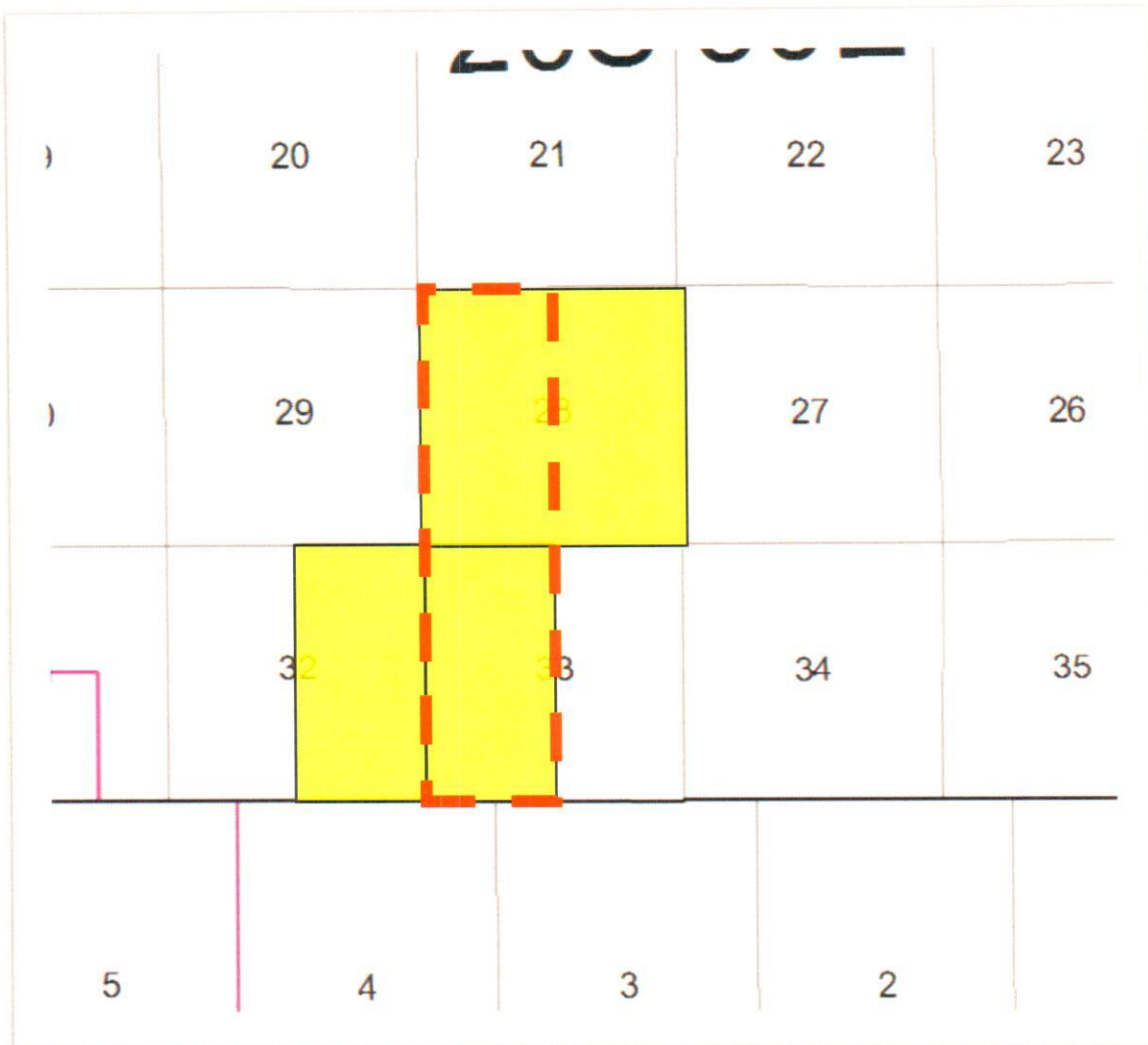


Exhibit \_\_\_\_\_

BLM Development Area Map

Case No. 16481 & 16482

Anvil Development Area  
Township 20 South, Range 30 East  
 Section 28: W2  
 Section 33: W2  
 640.00 Gross Acres  
 Eddy County, NM

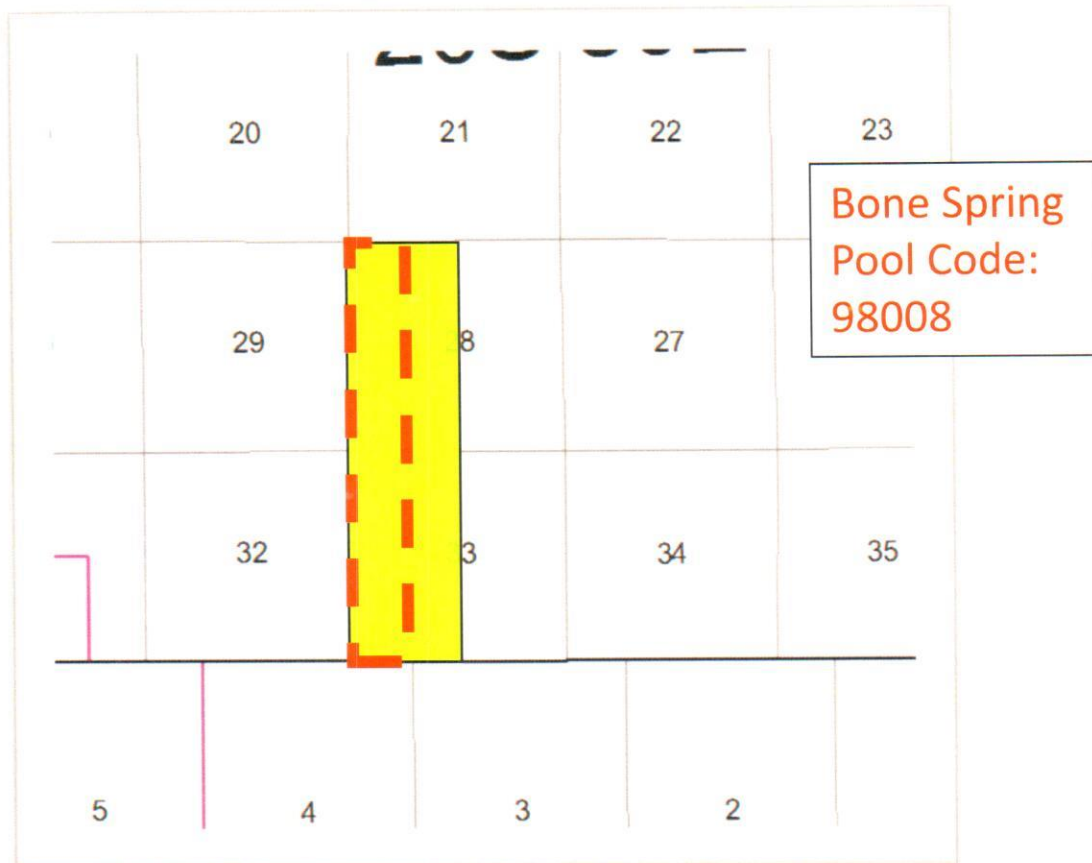


Anvil Development Area

|                               |                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------|
| Ascent Energy, LLC            |  |
| Exhibit                       |                                                                                       |
| Ascent's Acreage<br>T20S-R30E |                                                                                       |
| Case No. 16481 & 16482        |                                                                                       |



Anvil Pooling Unit  
Township 20 South, Range 30 East  
 Section 28: W2W2  
 Section 33: W2W2  
 320.00 Gross Acres  
 Eddy County, NM



Working Interest for: Anvil Fed. Com #401H, Anvil Fed. Com #501H, and Anvil Fed. Com #601H

|                                       |              |
|---------------------------------------|--------------|
| Ascent Energy, LLC                    | 34.01%       |
| Delmar Lewis Living Trust             | 13.28%       |
| Lindys Living Trust                   | 13.28%       |
| Moore & Shelton Company Ltd.          | 9.38%        |
| Javelina Partners                     | 8.85%        |
| Zorro Partners, Ltd.                  | 8.85%        |
| Ard Energy Group Ltd.                 | 6.64%        |
| EOG Y Resources                       | 3.50%        |
| Josephine T Hudson Testamentary Trust | <u>2.21%</u> |
| Total                                 | 100%         |

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Ascent Energy, LLC |  |
| Exhibit            |                                                                                       |
| T20S-R30E          |                                                                                       |
| Case No. 16481     |                                                                                       |

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Anvil Pooling Unit  
 Township 20 South, Range 30 East  
 Section 28: W2W2  
 Section 33: W2W2  
 320.00 Gross Acres  
 Eddy County, NM



Working Interest for: Anvil Fed. Com #701H and Anvil Fed. Com #702H

|                                       |              |
|---------------------------------------|--------------|
| Ascent Energy, LLC                    | 34.01%       |
| Delmar Lewis Living Trust             | 13.28%       |
| Lindys Living Trust                   | 13.28%       |
| Moore & Shelton Company Ltd.          | 9.38%        |
| Javelina Partners                     | 8.85%        |
| Zorro Partners, Ltd.                  | 8.85%        |
| Ard Energy Group Ltd.                 | 6.64%        |
| EOG Y Resources                       | 3.50%        |
| Josephine T Hudson Testamentary Trust | <u>2.21%</u> |
| Total                                 | 100%         |

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Ascent Energy, LLC |  |
| Exhibit            |                                                                                       |
| T20S-R30E          |                                                                                       |
| Case No. 16482     |                                                                                       |

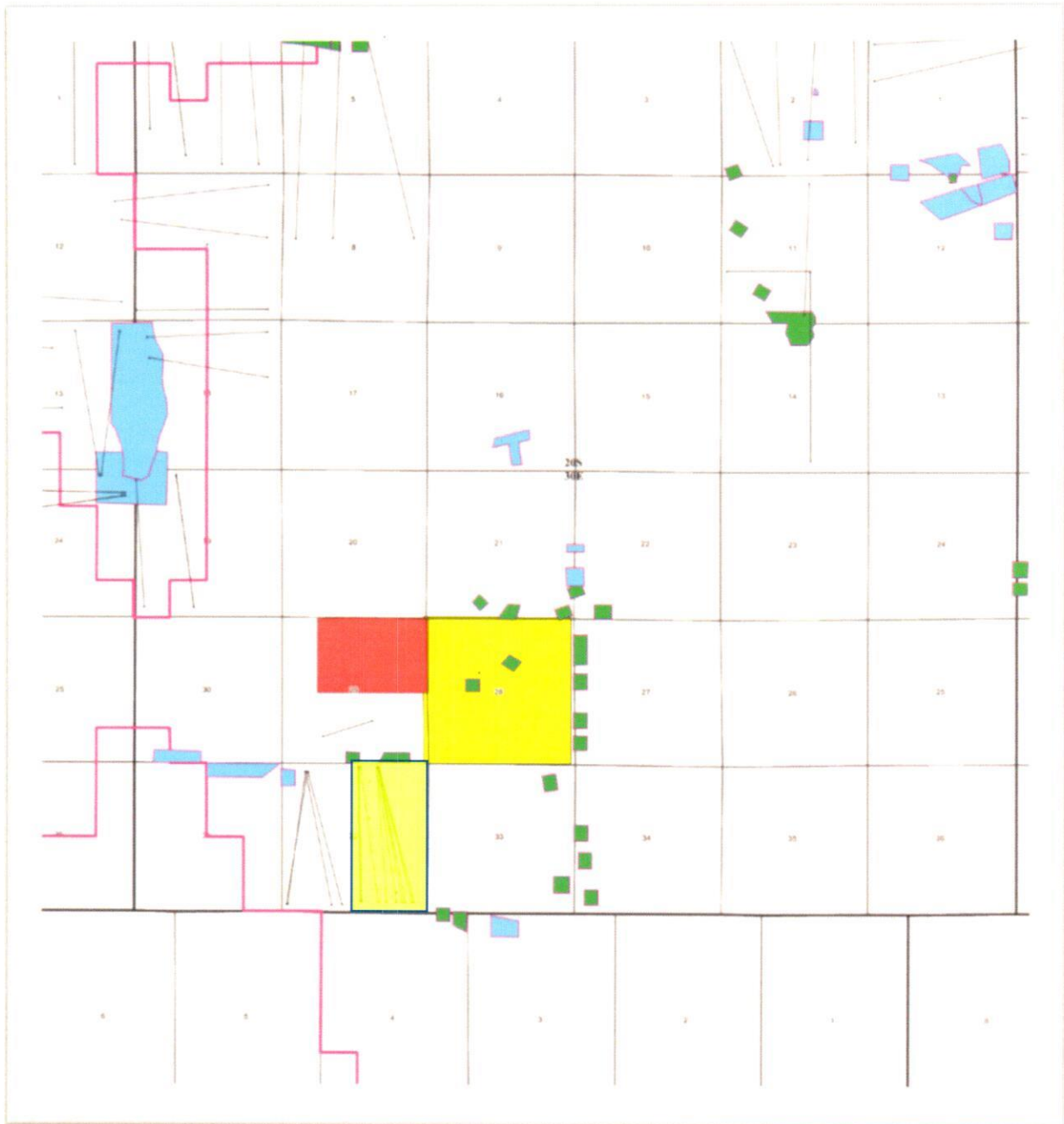


## Summary of Communications

- To date, Ascent has closed on 3 acquisitions within this Development Area.
- Ascent has an agreement to acquire an additional 50% working interest in proposed Anvil wells, thus bringing Ascent's working interest to ~84%.

|                        |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|
| Ascent Energy, LLC     |  |
| Exhibit                |                                                                                       |
| T20S-R30E              |                                                                                       |
| Case No. 16481 & 16482 |                                                                                       |

# Leasehold Map T20S-R30E

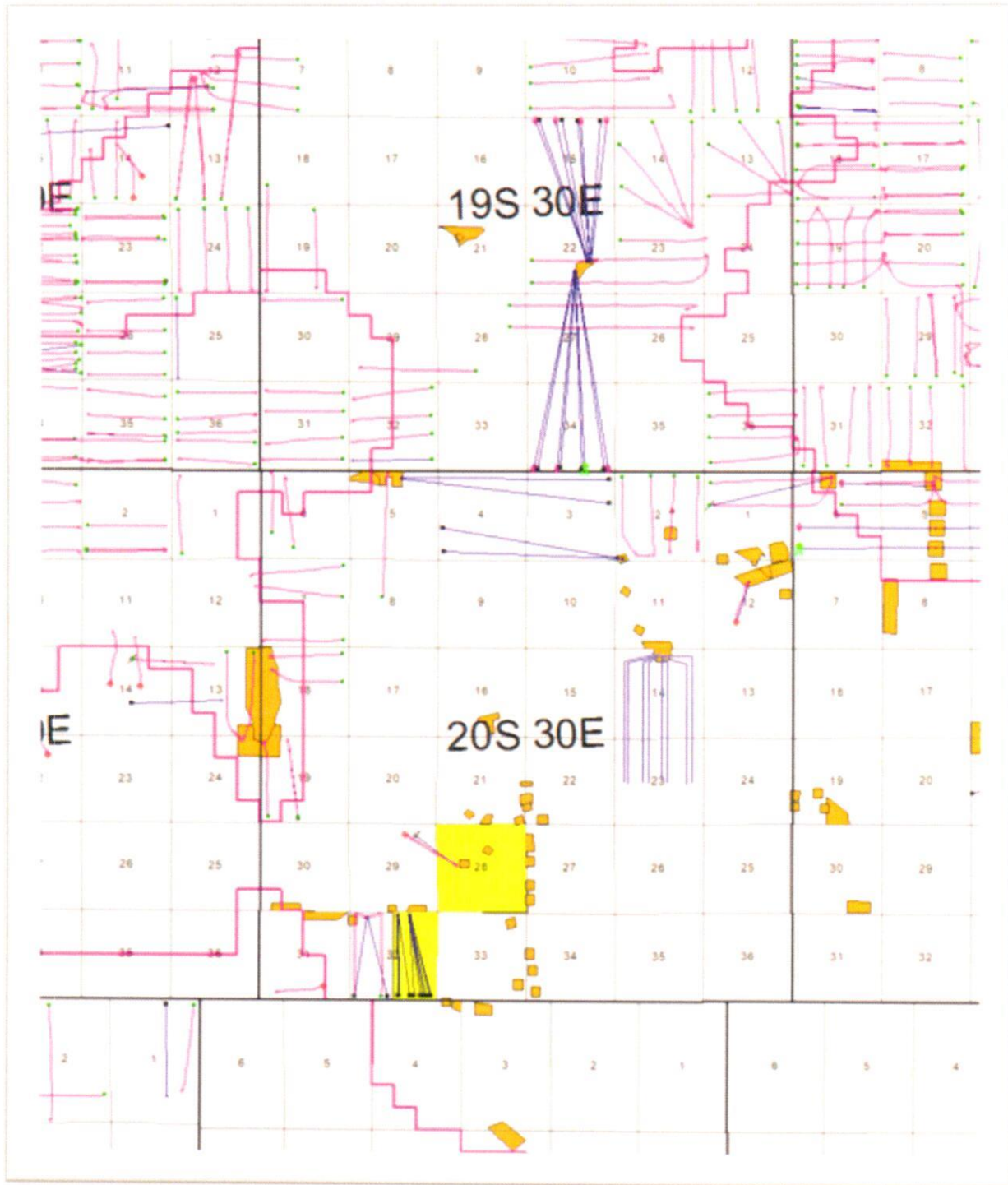


-  Ascent Acreage
-  Apache Acreage

|                        |
|------------------------|
| Ascent Energy, LLC     |
| Exhibit                |
| T20S-R30E              |
| Case No. 16481 & 16482 |



# Well Map



Ascent Acreage

Ascent Energy, LLC



Exhibit

T20S-R30E

Case No. 16481 & 16482

# Ascent Energy, LLC

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

|             |                    |          |                |                |                 |
|-------------|--------------------|----------|----------------|----------------|-----------------|
| COST CENTER | Anvil Fed Com 401H | BUD YEAR | 2019           | DATE           | August 16, 2019 |
| AFE NO.     |                    | CATEGORY | D&C            | SUPPLEMENT NO. |                 |
| FIELD       | Rawhide            | REGION   | Delaware Basin | LEGAL:         | 20S 30E         |
| OPERATOR    | Ascent Energy, LLC | WELL NO. | 401H           | W.I.           |                 |
| OBJECTIVE   | 1st Bone Spring    | STATE    | NM             | MD/TVD         | +/-21,400/8506' |

ESTIMATED PROJECT START DATE: 2Q2020

DESCRIPTION: Drill a 9900' lateral in the 1st BS and frac with 66 stages. Assumes 4 string design.

| INTANGIBLE DRILLING COSTS   |                                                 |        |        |             |             |                 |
|-----------------------------|-------------------------------------------------|--------|--------|-------------|-------------|-----------------|
| ACCT.                       | DESCRIPTION                                     | Rate   | Units  | DRYHOLE     |             | TOTAL WELL COST |
| 8305 101                    | Location Cleanup & Damages                      |        |        | \$70,000    |             | \$70,000        |
| 8305 102                    | Rig Move - MIRU, RDMO                           |        |        | \$75,000    |             | 75,000          |
| 8305 103                    | Rig Contractor-Daywork/FT                       |        |        | \$562,500   |             | 562,500         |
| 8305 104                    | Rig Contractor-Turnkey                          |        |        |             |             | 0               |
| 8305 105                    | Power & Fuel                                    |        |        | \$120,000   |             | 120,000         |
| 8305 106                    | Drill Fluids & Chemicals                        |        |        | \$120,000   |             | 120,000         |
| 8305 107                    | Bits, Reamer, Stabilizers                       |        |        | \$90,000    |             | 90,000          |
| 8305 108                    | Cement & Cementing Services                     |        |        | \$265,000   |             | 265,000         |
| 8305 109                    | Mud Logging                                     |        |        | \$50,000    |             | 50,000          |
| 8305 110                    | Open Hole Logging                               |        |        |             |             | 0               |
| 8305 111                    | Csg Crews & Tools                               |        |        | \$82,000    |             | 82,000          |
| 8305 112                    | Directional Tools & Service                     |        |        | \$265,000   |             | 265,000         |
| 8305 114                    | Form Eval - Well Testing DST - Coring, Sampling |        |        |             |             | 0               |
| 8305 115                    | Tubular Inspection                              |        |        | \$20,000    |             | 20,000          |
| 8305 116                    | Equipment Rentals                               |        |        | \$275,000   |             | 275,000         |
| 8305 117                    | Contract Labor & Services                       |        |        | \$120,000   |             | 120,000         |
| 8305 118                    | Wellsite Consultants                            |        |        | \$117,000   |             | 117,000         |
| 8305 119                    | Company Supervision & Labor                     |        |        |             |             | 0               |
| 8305 120                    | Transportation                                  |        |        | \$20,000    |             | 20,000          |
| 8305 121                    | Mud,Cuttings & Water Disposal                   |        |        | \$75,000    |             | 75,000          |
| 8305 122                    | Insurance                                       | 1,9243 | 21,400 | \$41,180    |             | 41,180          |
| 8305 123                    | Overhead                                        |        |        | \$25,000    |             | 25,000          |
| 8305 124                    | Water & Water Well                              |        |        | \$40,000    |             | 40,000          |
| 8305 125                    | Unanticipated MirExp (Fishing)                  |        |        |             |             | 0               |
| 8305 126                    | Legal                                           |        |        | \$50,000    |             | 50,000          |
| 8305 127                    | Outside Operated Other                          |        |        |             |             | 0               |
| 8305 128                    | Permits                                         |        |        | \$10,000    |             | 10,000          |
| 8305 129                    | Environmental & Safety                          |        |        | \$20,000    |             | 20,000          |
| 8305 130                    | Plugging                                        |        |        |             |             | 0               |
|                             | SUBTOTAL                                        |        |        | \$2,512,680 |             | \$2,512,680     |
| 8305 199                    | CONTINGENCY (%)                                 | 0.00%  |        | 0           |             | 0               |
|                             | SUB-TOTAL INTANGIBLE DRILLING COSTS             |        |        | \$2,512,680 |             | \$2,512,680     |
| INTANGIBLE COMPLETION COSTS |                                                 |        |        |             |             |                 |
| ACCT.                       | DESCRIPTION                                     | Rate   | Units  | COMPLETION  |             | TOTAL WELL COST |
| 8306 201                    | Location & Cleanup                              |        |        | \$10,000    |             | \$10,000        |
| 8306 202                    | Power & Fuel                                    |        |        | 300,000     |             | 300,000         |
| 8306 203                    | Compl Fluids & Chemicals                        |        |        | 65,000      |             | 65,000          |
| 8306 204                    | Bits, Reamer, Stabilizers                       |        |        |             |             | 0               |
| 8306 205                    | Cement & Cementing Svcs                         |        |        |             |             | 0               |
| 8306 206                    | Logging & Perforation Svcs                      |        |        | 275,000     |             | 275,000         |
| 8306 207                    | Csg Crews & Tools-Drive Hammer                  |        |        |             |             | 0               |
| 8306 208                    | Directional Tools & Svcs                        |        |        |             |             | 0               |
| 8306 209                    | Formation Stimulatr Acid Frac                   |        |        | 3,100,000   |             | 3,100,000       |
| 8306 210                    | Formation Evaluation                            |        |        |             |             | 0               |
| 8306 211                    | Tubular Inspection                              |        |        |             |             | 0               |
| 8306 212                    | Equipment Rentals                               |        |        | 220,000     |             | 220,000         |
| 8306 213                    | Contract Labor & Services                       |        |        |             |             | 0               |
| 8306 214                    | Wellsite Consultant                             | \$ -   | 0      | 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                              |        |        | 500,000     |             | 500,000         |
| 8306 221                    | Unanticipated MajExp Fishing                    |        |        |             |             | 0               |
| 8306 222                    | Coil Tubing Services                            |        |        | 150,000     |             | 150,000         |
| 8306 223                    | Misc Supplies & Materials                       |        |        | 50,000      |             | 50,000          |
| 8306 224                    | Flowback Testing                                |        |        | 76,500      |             | 76,500          |
| 8306 225                    | Legal & Permits                                 |        |        | 5,000       |             | 5,000           |
| 8306 226                    | Environmental & Safety Costs                    |        |        |             |             | 0               |
| 8306 227                    | Plugging                                        |        |        |             |             | 0               |
| 8306 228                    | Completion Rig                                  | \$ -   | 0      | 30,000      |             | 30,000          |
|                             | SUBTOTAL                                        |        |        | \$4,936,500 |             | \$4,936,500     |
| 8306 299                    | CONTINGENCY (%)                                 | 8.00%  |        | 394,920     |             | 394,920         |
|                             | SUB-TOTAL INTANGIBLE COMPLETION COSTS           |        |        | \$5,331,420 |             | \$5,331,420     |
|                             | SUB-TOTAL INTANGIBLE COSTS                      |        |        | \$2,512,680 | \$5,331,420 | \$7,844,100     |
| TANGIBLE DRILLING COSTS     |                                                 |        |        |             |             |                 |
| ACCT.                       | DESCRIPTION                                     | Rate   | Units  | DRYHOLE     |             | TOTAL WELL COST |
| 8308 301                    | Drive Pipe Conductor Casing                     | \$ -   | 0      | \$35,000    |             | \$35,000        |
| 8308 302                    | Surface Casing                                  | \$ -   | 0      | \$65,000    |             | 65,000          |
| 8308 303                    | Intermediate Casing                             | \$ -   | 0      | \$140,000   |             | 140,000         |
| 8308 304                    | 2nd Intermediate Casing                         | \$ -   | 0      | \$265,000   |             | 265,000         |
| 8308 305                    | Subs Fit Eopt Centralizers Etc                  |        |        | 30,000      |             | 30,000          |
| 8308 306                    | Casinghead Drilling Spool                       |        |        | \$60,000    |             | 60,000          |
| 8308 307                    | Sub Surface Equipment                           |        |        |             |             | 0               |
| 8308 308                    | Outside Operated Other                          |        |        |             |             | 0               |
|                             | SUB-TOTAL TANGIBLE DRILLING COSTS               |        |        | \$595,000   |             | \$595,000       |

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| TANGIBLE COMPLETION COSTS             |                                |      |       |             |             |                 |
|---------------------------------------|--------------------------------|------|-------|-------------|-------------|-----------------|
| ACCT.                                 | DESCRIPTION                    | Rate | Units |             | COMPLETION  | TOTAL WELL COST |
| 8309 401                              | Production Casing              | \$ - | 0     |             | 340,000     | \$340,000       |
| 8309 402                              | Tubing                         | \$ - | 0     |             | 32,500      | 32,500          |
| 8309 403                              | Subs Flt Eqpt Centralizers Etc |      |       |             | 25,000      | 25,000          |
| 8309 404                              | Sub Surface Equipment          |      |       |             | 30,000      | 30,000          |
| 8309 405                              | Xmas Tree Upper Section        |      |       |             | 60,000      | 60,000          |
| 8309 406                              | Outside Operated Other         |      |       |             |             | 0               |
| SUB-TOTAL TANGIBLE COMPLETION COSTS   |                                |      |       |             | \$487,500   | \$487,500       |
| SUB-TOTAL TANGIBLE COSTS              |                                |      |       | \$595,000   | \$487,500   | \$1,082,500     |
| SUB-TOTAL INTANGIBLE & TANGIBLE COSTS |                                |      |       | \$3,107,680 | \$5,818,920 | \$8,926,600     |

| 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                         |  |  |             | 25,000      | 25,000          |
| 8311 509                            | Electrical Equip Install       |  |  |             | 20,000      | 20,000          |
| 8311 510                            | Compressor                     |  |  |             |             | 0               |
| 8311 511                            | Flowlines                      |  |  |             | 45,000      | 45,000          |
| 8311 512                            | Labor                          |  |  |             | 50,000      | 50,000          |
| 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                |  |  |             | 45,000      | 45,000          |
| 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      |                                |  |  |             | \$405,000   | \$405,000       |
| SUB-TOTAL INTANGIBLE COSTS (PAGE 1) |                                |  |  | \$2,512,680 | \$5,331,420 | \$7,844,100     |
| SUB-TOTAL TANGIBLE COSTS (PAGE 2)   |                                |  |  | \$595,000   | \$487,500   | \$1,082,500     |
| GRAND TOTAL                         |                                |  |  | \$3,107,680 | \$6,223,920 | \$9,331,600     |
| LESS OUTSIDE INTERESTS              |                                |  |  | \$3,107,680 | \$6,223,920 | \$9,331,600     |
| 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 | \$3,107,680 |
| NET DRYHOLE AFE AMOUNT      | \$0         |
| NET ASSET TRANSFERS         | \$0         |
| CASH OUTLAY THIS AFE        | \$0         |
| PREVIOUS AFE'S ISSUED       | \$0         |
| TOTAL CASH OUTLAY           | \$0         |

| WORKING INTEREST APPROVAL |                  |             |      |
|---------------------------|------------------|-------------|------|
| COMPANY                   | WORKING INTEREST | APPROVED BY | DATE |
|                           |                  |             |      |
|                           |                  |             |      |
|                           |                  |             |      |
|                           |                  |             |      |



# Ascent Energy, LLC

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

|             |                           |          |                       |                |                        |
|-------------|---------------------------|----------|-----------------------|----------------|------------------------|
| COST CENTER | <b>Anvil Fed Com 501H</b> | BUD YEAR | <b>2019</b>           | DATE           | <b>August 16, 2019</b> |
| AFF NO.     |                           | CATEGORY | <b>D&amp;C</b>        | SUPPLEMENT NO. |                        |
| FIELD       | <b>Rawhide</b>            | REGION   | <b>Delaware Basin</b> | LEGAL:         | <b>20S 30E</b>         |
| OPERATOR    | <b>Ascent Energy, LLC</b> | WELL NO. | <b>501H</b>           | W.I.           |                        |
| OBJECTIVE   | <b>2nd Bone Spring</b>    | STATE    | <b>NM</b>             | MD/TVD         | <b>+/-21,400/8506'</b> |

ESTIMATED PROJECT START DATE: **2Q2020**

DESCRIPTION: Drill a 9900' lateral in the 2nd BS and frac with 66 stages. Assumes 4 string design.

| INTANGIBLE DRILLING COSTS |                                                 |        |        |             |  |                 |
|---------------------------|-------------------------------------------------|--------|--------|-------------|--|-----------------|
| ACCT.                     | DESCRIPTION                                     | Rate   | Units  | DRYHOLE     |  | TOTAL WELL COST |
| 8305 101                  | Location Cleanup & Damages                      |        |        | \$70,000    |  | \$70,000        |
| 8305 102                  | Riq Move - MIRU, RDMO                           |        |        | \$75,000    |  | 75,000          |
| 8305 103                  | Riq Contractor-Daywork/FT                       |        |        | \$585,000   |  | 585,000         |
| 8305 104                  | Riq Contractor-Turnkey                          |        |        |             |  | 0               |
| 8305 105                  | Power & Fuel                                    |        |        | \$120,000   |  | 120,000         |
| 8305 106                  | Drill Fluids & Chemicals                        |        |        | \$120,000   |  | 120,000         |
| 8305 107                  | Bits, Reamer, Stabilizers                       |        |        | \$90,000    |  | 90,000          |
| 8305 108                  | Cement & Cementing Services                     |        |        | \$265,000   |  | 265,000         |
| 8305 109                  | Mud Logging                                     |        |        | \$50,000    |  | 50,000          |
| 8305 110                  | Open Hole Logging                               |        |        |             |  | 0               |
| 8305 111                  | Csg Crews & Tools                               |        |        | \$82,000    |  | 82,000          |
| 8305 112                  | Directional Tools & Service                     |        |        | \$265,000   |  | 265,000         |
| 8305 114                  | Form Eval - Well Testing DST - Coring, Sampling |        |        |             |  | 0               |
| 8305 115                  | Tubular Inspection                              |        |        | \$20,000    |  | 20,000          |
| 8305 116                  | Equipment Rentals                               |        |        | \$275,000   |  | 275,000         |
| 8305 117                  | Contract Labor & Services                       |        |        | \$120,000   |  | 120,000         |
| 8305 118                  | Wellsite Consultants                            |        |        | \$117,000   |  | 117,000         |
| 8305 119                  | Company Supervision & Labor                     |        |        |             |  | 0               |
| 8305 120                  | Transportation                                  |        |        | \$20,000    |  | 20,000          |
| 8305 121                  | Mud,Cuttings & Water Disposal                   |        |        | \$75,000    |  | 75,000          |
| 8305 122                  | Insurance                                       | 1.9243 | 21,400 | \$41,180    |  | 41,180          |
| 8305 123                  | Overhead                                        |        |        | \$25,000    |  | 25,000          |
| 8305 124                  | Water & Water Well                              |        |        | \$40,000    |  | 40,000          |
| 8305 125                  | Unanticipated MjExp (Fishing)                   |        |        |             |  | 0               |
| 8305 126                  | Legal                                           |        |        | \$50,000    |  | 50,000          |
| 8305 127                  | Outside Operated Other                          |        |        |             |  | 0               |
| 8305 128                  | Permits                                         |        |        | \$10,000    |  | 10,000          |
| 8305 129                  | Environmental & Safety                          |        |        | \$20,000    |  | 20,000          |
| 8305 130                  | Plugging                                        |        |        |             |  | 0               |
|                           | SUBTOTAL                                        |        |        | \$2,535,180 |  | \$2,535,180     |
| 8305 199                  | CONTINGENCY (%)                                 | 0.00%  |        | 0           |  | 0               |
|                           | SUB-TOTAL INTANGIBLE DRILLING COSTS             |        |        | \$2,535,180 |  | \$2,535,180     |

| INTANGIBLE COMPLETION COSTS |                                       |       |       |             |  |                 |
|-----------------------------|---------------------------------------|-------|-------|-------------|--|-----------------|
| ACCT.                       | DESCRIPTION                           | Rate  | Units | COMPLETION  |  | TOTAL WELL COST |
| 8306 201                    | Location & Cleanup                    |       |       | \$10,000    |  | \$10,000        |
| 8306 202                    | Power & Fuel                          |       |       | 300,000     |  | 300,000         |
| 8306 203                    | Compl Fluids & Chemicals              |       |       | 65,000      |  | 65,000          |
| 8306 204                    | Bits, Reamer, Stabilizers             |       |       |             |  | 0               |
| 8306 205                    | Cement & Cementing Svcs               |       |       |             |  | 0               |
| 8306 206                    | Logging & Perforation Svcs            |       |       | 275,000     |  | 275,000         |
| 8306 207                    | Csg Crews & Tools-Drive Hammer        |       |       |             |  | 0               |
| 8306 208                    | Directional Tools & Svcs              |       |       |             |  | 0               |
| 8306 209                    | Formation Stimulatr Acid Frac         |       |       | 3,100,000   |  | 3,100,000       |
| 8306 210                    | Formation Evaluation                  |       |       |             |  | 0               |
| 8306 211                    | Tubular Inspection                    |       |       |             |  | 0               |
| 8306 212                    | Equipment Rentals                     |       |       | 220,000     |  | 220,000         |
| 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                    |       |       | 500,000     |  | 500,000         |
| 8306 221                    | Unanticipated MajExp Fishing          |       |       |             |  | 0               |
| 8306 222                    | Coil Tubing Services                  |       |       | 150,000     |  | 150,000         |
| 8306 223                    | Misc Supplies & Materials             |       |       | 50,000      |  | 50,000          |
| 8306 224                    | Flowback Testing                      |       |       | 76,500      |  | 76,500          |
| 8306 225                    | Legal & Permits                       |       |       | 5,000       |  | 5,000           |
| 8306 226                    | Environmental & Safety Costs          |       |       |             |  | 0               |
| 8306 227                    | Plugging                              |       |       |             |  | 0               |
| 8306 228                    | Completion Riq                        |       |       | 30,000      |  | 30,000          |
|                             | SUBTOTAL                              |       |       | \$4,936,500 |  | \$4,936,500     |
| 8306 299                    | CONTINGENCY (%)                       | 8.00% |       | 394,920     |  | 394,920         |
|                             | SUB-TOTAL INTANGIBLE COMPLETION COSTS |       |       | \$5,331,420 |  | \$5,331,420     |
|                             | SUB-TOTAL INTANGIBLE COSTS            |       |       | \$2,535,180 |  | \$7,866,600     |

| TANGIBLE DRILLING COSTS |                                   |      |       |           |  |                 |
|-------------------------|-----------------------------------|------|-------|-----------|--|-----------------|
| ACCT.                   | DESCRIPTION                       | Rate | Units | DRYHOLE   |  | TOTAL WELL COST |
| 8308 301                | Drive Pipe Conductor Casing       | \$ - | 0     | \$35,000  |  | \$35,000        |
| 8308 302                | Surface Casing                    | \$ - | 0     | \$65,000  |  | 65,000          |
| 8308 303                | Intermediate Casing               | \$ - | 0     | \$140,000 |  | 140,000         |
| 8308 304                | 2nd Intermediate Casing           | \$ - | 0     | \$265,000 |  | 265,000         |
| 8308 305                | Subs Flt Eqp Centralizers Etc     |      |       | 30,000    |  | 30,000          |
| 8308 306                | Casinghead Drilling Spool         |      |       | \$60,000  |  | 60,000          |
| 8308 307                | Sub Surface Equipment             |      |       |           |  | 0               |
| 8308 308                | Outside Operated Other            |      |       |           |  | 0               |
|                         | SUB-TOTAL TANGIBLE DRILLING COSTS |      |       | \$595,000 |  | \$595,000       |

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| TANGIBLE COMPLETION COSTS  |                                       |      |       |             |             |                 |
|----------------------------|---------------------------------------|------|-------|-------------|-------------|-----------------|
| ACCT.                      | DESCRIPTION                           | Rate | Units |             | COMPLETION  | TOTAL WELL COST |
| 8309 401                   | Production Casing                     | \$ - | 0     |             | 340,000     | \$340,000       |
| 8309 402                   | Tubing                                | \$ - | 0     |             | 32,500      | 32,500          |
| 8309 403                   | Subs Fit Eqpt Centralizers Etc        |      |       |             | 25,000      | 25,000          |
| 8309 404                   | Sub Surface Equipment                 |      |       |             | 30,000      | 30,000          |
| 8309 405                   | Xmas Tree Upper Section               |      |       |             | 60,000      | 60,000          |
| 8309 406                   | Outside Operated Other                |      |       |             |             | 0               |
|                            | SUB-TOTAL TANGIBLE COMPLETION COSTS   |      |       |             | \$487,500   | \$487,500       |
|                            | SUB-TOTAL TANGIBLE COSTS              |      |       | \$595,000   | \$487,500   | \$1,082,500     |
|                            | SUB-TOTAL INTANGIBLE & TANGIBLE COSTS |      |       | \$3,130,180 | \$5,818,920 | \$8,949,100     |
| 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                                |      |       |             | 25,000      | 25,000          |
| 8311 509                   | Electrical Equip Install              |      |       |             | 20,000      | 20,000          |
| 8311 510                   | Compressor                            |      |       |             |             | 0               |
| 8311 511                   | Flowlines                             |      |       |             | 45,000      | 45,000          |
| 8311 512                   | Labor                                 |      |       |             | 50,000      | 50,000          |
| 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                       |      |       |             | 45,000      | 45,000          |
| 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        |      |       |             | \$405,000   | \$405,000       |
|                            | SUB-TOTAL INTANGIBLE COSTS (PAGE 1)   |      |       | \$2,535,180 | \$5,331,420 | \$7,866,600     |
|                            | SUB-TOTAL TANGIBLE COSTS (PAGE 2)     |      |       | \$595,000   | \$487,500   | \$1,082,500     |
|                            | GRAND TOTAL                           |      |       | \$3,130,180 | \$6,223,920 | \$9,354,100     |
|                            | LESS OUTSIDE INTERESTS                |      |       | \$3,130,180 | \$6,223,920 | \$9,354,100     |
|                            | 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 | \$3,130,180 |
| 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 | <b>Anvil Fed Com 601H</b> | BUD YEAR | <b>2019</b>           | DATE           | <b>August 16, 2019</b> |
| AFE NO.     |                           | CATEGORY | <b>D&amp;C</b>        | SUPPLEMENT NO. |                        |
| FIELD       | <b>Rawhide</b>            | REGION   | <b>Delaware Basin</b> | LEGAL:         | <b>205 30E</b>         |
| OPERATOR    | <b>Ascent Energy, LLC</b> | WELL NO. | <b>601H</b>           | W.I.           |                        |
| OBJECTIVE   | <b>3rd Bone Spring</b>    | STATE    | <b>NM</b>             | MD/TVD         | <b>+/-21,400/8506'</b> |

|                                                                                                    |               |
|----------------------------------------------------------------------------------------------------|---------------|
| ESTIMATED PROJECT START DATE:                                                                      | <b>2Q2020</b> |
| DESCRIPTION: Drill a 9900' lateral in the 3rd BS and frac with 66 stages. Assumes 4 string design. |               |

| INTANGIBLE DRILLING COSTS |                                                 |        |        |             |  |                 |
|---------------------------|-------------------------------------------------|--------|--------|-------------|--|-----------------|
| ACCT.                     | DESCRIPTION                                     | Rate   | Units  | DRYHOLE     |  | TOTAL WELL COST |
| 8305 101                  | Location Cleanup & Damages                      |        |        | \$70,000    |  | \$70,000        |
| 8305 102                  | Rig Move - MIRU, RDMO                           |        |        | \$75,000    |  | 75,000          |
| 8305 103                  | Rig Contractor-Daywork/FT                       |        |        | \$630,000   |  | 630,000         |
| 8305 104                  | Rig Contractor-Turnkey                          |        |        |             |  | 0               |
| 8305 105                  | Power & Fuel                                    |        |        | \$120,000   |  | 120,000         |
| 8305 106                  | Drill Fluids & Chemicals                        |        |        | \$120,000   |  | 120,000         |
| 8305 107                  | Bits, Reamer, Stabilizers                       |        |        | \$90,000    |  | 90,000          |
| 8305 108                  | Cement & Cementing Services                     |        |        | \$265,000   |  | 265,000         |
| 8305 109                  | Mud Logging                                     |        |        | \$50,000    |  | 50,000          |
| 8305 110                  | Open Hole Logging                               |        |        |             |  | 0               |
| 8305 111                  | Csg Crews & Tools                               |        |        | \$82,000    |  | 82,000          |
| 8305 112                  | Directional Tools & Service                     |        |        | \$265,000   |  | 265,000         |
| 8305 114                  | Form Eval - Well Testing DST - Coring, Sampling |        |        |             |  | 0               |
| 8305 115                  | Tubular Inspection                              |        |        | \$20,000    |  | 20,000          |
| 8305 116                  | Equipment Rentals                               |        |        | \$275,000   |  | 275,000         |
| 8305 117                  | Contract Labor & Services                       |        |        | \$120,000   |  | 120,000         |
| 8305 118                  | Wellsite Consultants                            |        |        | \$117,000   |  | 117,000         |
| 8305 119                  | Company Supervision & Labor                     |        |        |             |  | 0               |
| 8305 120                  | Transportation                                  |        |        | \$20,000    |  | 20,000          |
| 8305 121                  | Mud,Cuttings & Water Disposal                   |        |        | \$75,000    |  | 75,000          |
| 8305 122                  | Insurance                                       | 1.9243 | 21,400 | \$41,180    |  | 41,180          |
| 8305 123                  | Overhead                                        |        |        | \$25,000    |  | 25,000          |
| 8305 124                  | Water & Water Well                              |        |        | \$40,000    |  | 40,000          |
| 8305 125                  | Unanticipated MirExp (Fishing)                  |        |        |             |  | 0               |
| 8305 126                  | Legal                                           |        |        | \$50,000    |  | 50,000          |
| 8305 127                  | Outside Operated Other                          |        |        |             |  | 0               |
| 8305 128                  | Permits                                         |        |        | \$10,000    |  | 10,000          |
| 8305 129                  | Environmental & Safety                          |        |        | \$20,000    |  | 20,000          |
| 8305 130                  | Plugging                                        |        |        |             |  | 0               |
|                           | SUBTOTAL                                        |        |        | \$2,580,180 |  | \$2,580,180     |
| 8305 199                  | CONTINGENCY (%)                                 | 0.00%  |        | 0           |  | 0               |
|                           | SUB-TOTAL INTANGIBLE DRILLING COSTS             |        |        | \$2,580,180 |  | \$2,580,180     |

| INTANGIBLE COMPLETION COSTS |                                       |       |       |             |             |                 |
|-----------------------------|---------------------------------------|-------|-------|-------------|-------------|-----------------|
| ACCT.                       | DESCRIPTION                           | Rate  | Units | COMPLETION  |             | TOTAL WELL COST |
| 8306 201                    | Location & Cleanup                    |       |       | \$10,000    |             | \$10,000        |
| 8306 202                    | Power & Fuel                          |       |       | 300,000     |             | 300,000         |
| 8306 203                    | Compl Fluids & Chemicals              |       |       | 65,000      |             | 65,000          |
| 8306 204                    | Bits, Reamer, Stabilizers             |       |       |             |             | 0               |
| 8306 205                    | Cement & Cementing Svcs               |       |       |             |             | 0               |
| 8306 206                    | Logging & Perforation Svcs            |       |       | 275,000     |             | 275,000         |
| 8306 207                    | Csg Crews & Tools-Drive Hammer        |       |       |             |             | 0               |
| 8306 208                    | Directional Tools & Svcs              |       |       |             |             | 0               |
| 8306 209                    | Formation Stimulatr Acid Frac         |       |       | 3,100,000   |             | 3,100,000       |
| 8306 210                    | Formation Evaluation                  |       |       |             |             | 0               |
| 8306 211                    | Tubular Inspection                    |       |       |             |             | 0               |
| 8306 212                    | Equipment Rentals                     |       |       | 220,000     |             | 220,000         |
| 8306 213                    | Contract Labor & Services             |       |       |             |             | 0               |
| 8306 214                    | Wellsite Consultant                   | \$ -  | 0     | 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                    |       |       | 500,000     |             | 500,000         |
| 8306 221                    | Unanticipated MaiExp Fishing          |       |       |             |             | 0               |
| 8306 222                    | Coil Tubing Services                  |       |       | 150,000     |             | 150,000         |
| 8306 223                    | Misc Supplies & Materials             |       |       | 50,000      |             | 50,000          |
| 8306 224                    | Flowback Testing                      |       |       | 76,500      |             | 76,500          |
| 8306 225                    | Legal & Permits                       |       |       | 5,000       |             | 5,000           |
| 8306 226                    | Environmental & Safety Costs          |       |       |             |             | 0               |
| 8306 227                    | Plugging                              |       |       |             |             | 0               |
| 8306 228                    | Completion Rig                        | \$ -  | 0     | 30,000      |             | 30,000          |
|                             | SUBTOTAL                              |       |       | \$4,936,500 |             | \$4,936,500     |
| 8306 299                    | CONTINGENCY (%)                       | 8.00% |       | 394,920     |             | 394,920         |
|                             | SUB-TOTAL INTANGIBLE COMPLETION COSTS |       |       | \$5,331,420 |             | \$5,331,420     |
|                             | SUB-TOTAL INTANGIBLE COSTS            |       |       | \$2,580,180 | \$5,331,420 | \$7,911,600     |

| TANGIBLE DRILLING COSTS |                                   |      |       |           |  |                 |
|-------------------------|-----------------------------------|------|-------|-----------|--|-----------------|
| ACCT.                   | DESCRIPTION                       | Rate | Units | DRYHOLE   |  | TOTAL WELL COST |
| 8308 301                | Drive Pipe Conductor Casing       | \$ - | 0     | \$35,000  |  | \$35,000        |
| 8308 302                | Surface Casing                    | \$ - | 0     | \$65,000  |  | 65,000          |
| 8308 303                | Intermediate Casing               | \$ - | 0     | \$140,000 |  | 140,000         |
| 8308 304                | 2nd Intermediate Casing           | \$ - | 0     | \$265,000 |  | 265,000         |
| 8308 305                | Subs Flt Eqp Centralizers Etc     |      |       | 30,000    |  | 30,000          |
| 8308 306                | Casinghead Drilling Spool         |      |       | \$60,000  |  | 60,000          |
| 8308 307                | Sub Surface Equipment             |      |       |           |  | 0               |
| 8308 308                | Outside Operated Other            |      |       |           |  | 0               |
|                         | SUB-TOTAL TANGIBLE DRILLING COSTS |      |       | \$595,000 |  | \$595,000       |

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| TANGIBLE COMPLETION COSTS             |                                |      |       |             |             |                 |
|---------------------------------------|--------------------------------|------|-------|-------------|-------------|-----------------|
| ACCT.                                 | DESCRIPTION                    | Rate | Units |             | COMPLETION  | TOTAL WELL COST |
| 8309 401                              | Production Casing              | \$ - | 0     |             | 340,000     | \$340,000       |
| 8309 402                              | Tubing                         | \$ - | 0     |             | 32,500      | 32,500          |
| 8309 403                              | Subs Flt Eqpt Centralizers Etc |      |       |             | 25,000      | 25,000          |
| 8309 404                              | Sub Surface Equipment          |      |       |             | 30,000      | 30,000          |
| 8309 405                              | Xmas Tree Upper Section        |      |       |             | 60,000      | 60,000          |
| 8309 406                              | Outside Operated Other         |      |       |             |             | 0               |
| SUB-TOTAL TANGIBLE COMPLETION COSTS   |                                |      |       |             | \$487,500   | \$487,500       |
| SUB-TOTAL TANGIBLE COSTS              |                                |      |       | \$595,000   | \$487,500   | \$1,082,500     |
| SUB-TOTAL INTANGIBLE & TANGIBLE COSTS |                                |      |       | \$3,175,180 | \$5,818,920 | \$8,994,100     |
| 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                         |      |       |             | 25,000      | 25,000          |
| 8311 509                              | Electrical Equip Install       |      |       |             | 20,000      | 20,000          |
| 8311 510                              | Compressor                     |      |       |             |             | 0               |
| 8311 511                              | Flowlines                      |      |       |             | 45,000      | 45,000          |
| 8311 512                              | Labor                          |      |       |             | 50,000      | 50,000          |
| 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                |      |       |             | 45,000      | 45,000          |
| 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        |                                |      |       |             | \$405,000   | \$405,000       |
| SUB-TOTAL INTANGIBLE COSTS (PAGE 1)   |                                |      |       | \$2,580,180 | \$5,331,420 | \$7,911,600     |
| SUB-TOTAL TANGIBLE COSTS (PAGE 2)     |                                |      |       | \$595,000   | \$487,500   | \$1,082,500     |
| GRAND TOTAL                           |                                |      |       | \$3,175,180 | \$6,223,920 | \$9,399,100     |
| LESS OUTSIDE INTERESTS                |                                |      |       | \$3,175,180 | \$6,223,920 | \$9,399,100     |
| 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 | \$3,175,180 |
| APPROVED    |  | DATE |  | NET DRYHOLE AFE AMOUNT      | \$0         |
| APPROVED    |  | DATE |  | NET ASSET TRANSFERS         | \$0         |
| APPROVED    |  | DATE |  | CASH OUTLAY THIS AFE        | \$0         |
|             |  | DATE |  | PREVIOUS AFE'S ISSUED       | \$0         |
|             |  | DATE |  | TOTAL CASH OUTLAY           | \$0         |

| WORKING INTEREST APPROVAL |                  |             |      |
|---------------------------|------------------|-------------|------|
| COMPANY                   | WORKING INTEREST | APPROVED BY | DATE |
|                           |                  |             |      |
|                           |                  |             |      |
|                           |                  |             |      |
|                           |                  |             |      |

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# Ascent Energy, LLC

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

|             |                    |          |                |                |                   |
|-------------|--------------------|----------|----------------|----------------|-------------------|
| COST CENTER | Anvil Fed Com 701H | BUD YEAR | 2019           | DATE           | August 16, 2019   |
| AFF NO.     |                    | CATEGORY | D&C            | SUPPLEMENT NO. |                   |
| FIELD       | Rawhide            | REGION   | Delaware Basin | LEGAL:         | 20S 30E           |
| OPERATOR    | Ascent Energy, LLC | WELL NO. | 701H           | W.I.           |                   |
| OBJECTIVE   | Wolfcamp XY        | STATE    | NM             | MD/TVD         | +/-22,840/10,000' |

ESTIMATED PROJECT START DATE: 2Q2020

DESCRIPTION: Drill a 9900' lateral in the Wolfcamp XY and frac with 66 stages. Assumes 4 string design.

### INTANGIBLE DRILLING COSTS

| ACCT.    | DESCRIPTION                                     | Rate   | Units  | DRYHOLE     | TOTAL WELL COST |
|----------|-------------------------------------------------|--------|--------|-------------|-----------------|
| 8305 101 | Location Cleanup & Damages                      |        |        | \$70,000    | \$70,000        |
| 8305 102 | Rig Move - MIRU, RDMO                           |        |        | \$75,000    | 75,000          |
| 8305 103 | Rig Contractor-Daywork/FT                       |        |        | \$720,000   | 720,000         |
| 8305 104 | Rig Contractor-Turnkey                          |        |        |             | 0               |
| 8305 105 | Power & Fuel                                    |        |        | \$130,000   | 130,000         |
| 8305 106 | Drill Fluids & Chemicals                        |        |        | \$190,000   | 190,000         |
| 8305 107 | Bits, Reamer, Stabilizers                       |        |        | \$120,000   | 120,000         |
| 8305 108 | Cement & Cementing Services                     |        |        | \$270,000   | 270,000         |
| 8305 109 | Mud Logging                                     |        |        | \$75,000    | 75,000          |
| 8305 110 | Open Hole Logging                               |        |        | \$65,000    | 65,000          |
| 8305 111 | Csg Crews & Tools                               |        |        | \$95,000    | 95,000          |
| 8305 112 | Directional Tools & Service                     |        |        | \$310,000   | 310,000         |
| 8305 114 | Form Eval - Well Testing DST - Coring, Sampling |        |        |             | 0               |
| 8305 115 | Tubular Inspection                              |        |        | \$20,000    | 20,000          |
| 8305 116 | Equipment Rentals                               |        |        | \$325,000   | 325,000         |
| 8305 117 | Contract Labor & Services                       |        |        | \$130,000   | 130,000         |
| 8305 118 | Wellsite Consultants                            |        |        | \$144,000   | 144,000         |
| 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                                       | 1.9243 | 22,840 | \$43,951    | 43,951          |
| 8305 123 | Overhead                                        |        |        | \$25,000    | 25,000          |
| 8305 124 | Water & Water Well                              |        |        | \$50,000    | 50,000          |
| 8305 125 | Unanticipated MjExp (Fishing)                   |        |        |             | 0               |
| 8305 126 | Legal                                           |        |        | \$50,000    | 50,000          |
| 8305 127 | Outside Operated Other                          |        |        |             | 0               |
| 8305 128 | Permits                                         |        |        | \$10,000    | 10,000          |
| 8305 129 | Environmental & Safety                          |        |        | \$20,000    | 20,000          |
| 8305 130 | Plugging                                        |        |        |             | 0               |
|          | SUBTOTAL                                        |        |        | \$3,037,951 | \$3,037,951     |
| 8305 199 | CONTINGENCY (%)                                 | 0.00%  |        | 0           | 0               |
|          | SUB-TOTAL INTANGIBLE DRILLING COSTS             |        |        | \$3,037,951 | \$3,037,951     |

### INTANGIBLE COMPLETION COSTS

| ACCT.    | DESCRIPTION                           | Rate  | Units | COMPLETION  | TOTAL WELL COST |
|----------|---------------------------------------|-------|-------|-------------|-----------------|
| 8306 201 | Location & Cleanup                    |       |       | \$10,000    | \$10,000        |
| 8306 202 | Power & Fuel                          |       |       | 300,000     | 300,000         |
| 8306 203 | Compl Fluids & Chemicals              |       |       | 65,000      | 65,000          |
| 8306 204 | Bits, Reamer, Stabilizers             |       |       |             | 0               |
| 8306 205 | Cement & Cementing Svcs               |       |       |             | 0               |
| 8306 206 | Logging & Perforation Svcs            |       |       | 275,000     | 275,000         |
| 8306 207 | Csg Crews & Tools-Drive Hammer        |       |       |             | 0               |
| 8306 208 | Directional Tools & Svcs              |       |       |             | 0               |
| 8306 209 | Formation Stimulatr Acid Frac         |       |       | 3,300,000   | 3,300,000       |
| 8306 210 | Formation Evaluation                  |       |       |             | 0               |
| 8306 211 | Tubular Inspection                    |       |       |             | 0               |
| 8306 212 | Equipment Rentals                     |       |       | 225,000     | 225,000         |
| 8306 213 | Contract Labor & Services             |       |       |             | 0               |
| 8306 214 | Wellsite Consultant                   | \$ -  | 0     | 75,000      | 75,000          |
| 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                    |       |       | 500,000     | 500,000         |
| 8306 221 | Unanticipated MjExp Fishing           |       |       |             | 0               |
| 8306 222 | Coil Tubing Services                  |       |       | 125,000     | 125,000         |
| 8306 223 | Misc Supplies & Materials             |       |       | 50,000      | 50,000          |
| 8306 224 | Flowback Testing                      |       |       | 85,000      | 85,000          |
| 8306 225 | Legal & Permits                       |       |       | 5,000       | 5,000           |
| 8306 226 | Environmental & Safety Costs          |       |       |             | 0               |
| 8306 227 | Plugging                              |       |       |             | 0               |
| 8306 228 | Completion Rig                        | \$ -  | 0     | 30,000      | 30,000          |
|          | SUBTOTAL                              |       |       | \$5,080,000 | \$5,080,000     |
| 8306 299 | CONTINGENCY (%)                       | 8.00% |       | 406,400     | 406,400         |
|          | SUB-TOTAL INTANGIBLE COMPLETION COSTS |       |       | \$5,486,400 | \$5,486,400     |
|          | SUB-TOTAL INTANGIBLE COSTS            |       |       | \$3,037,951 | \$8,524,351     |

### TANGIBLE DRILLING COSTS

| ACCT.    | DESCRIPTION                       | Rate | Units | DRYHOLE   | TOTAL WELL COST |
|----------|-----------------------------------|------|-------|-----------|-----------------|
| 8308 301 | Drive Pipe Conductor Casing       | \$ - | 0     | \$35,000  | \$35,000        |
| 8308 302 | Surface Casing                    | \$ - | 0     | \$65,000  | 65,000          |
| 8308 303 | Intermediate Casing               | \$ - | 0     | \$140,000 | 140,000         |
| 8308 304 | 2nd Intermediate Casing           | \$ - | 0     | \$265,000 | 265,000         |
| 8308 305 | Subs Flt Eqp Centralizers Etc     |      |       | 30,000    | 30,000          |
| 8308 306 | Casinghead Drilling Spool         |      |       | \$60,000  | 60,000          |
| 8308 307 | Sub Surface Equipment             |      |       |           | 0               |
| 8308 308 | Outside Operated Other            |      |       |           | 0               |
|          | SUB-TOTAL TANGIBLE DRILLING COSTS |      |       | \$595,000 | \$595,000       |

| TANGIBLE COMPLETION COSTS             |                                |      |       |             |                 |
|---------------------------------------|--------------------------------|------|-------|-------------|-----------------|
| ACCT.                                 | DESCRIPTION                    | Rate | Units | COMPLETION  | TOTAL WELL COST |
| 8309 401                              | Production Casing              | \$ - | 0     | 360,000     | \$360,000       |
| 8309 402                              | Tubing                         | \$ - | 0     | 40,000      | 40,000          |
| 8309 403                              | Subs Flt Eqp Centralizers Etc  |      |       | 30,000      | 30,000          |
| 8309 404                              | Sub Surface Equipment          |      |       | 30,000      | 30,000          |
| 8309 405                              | Xmas Tree Upper Section        |      |       | 60,000      | 60,000          |
| 8309 406                              | Outside Operated Other         |      |       |             | 0               |
| SUB-TOTAL TANGIBLE COMPLETION COSTS   |                                |      |       | \$520,000   | \$520,000       |
| SUB-TOTAL TANGIBLE COSTS              |                                |      |       | \$595,000   | \$1,115,000     |
| SUB-TOTAL INTANGIBLE & TANGIBLE COSTS |                                |      |       | \$3,632,951 | \$9,639,351     |
| 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                         |      |       | 25,000      | 25,000          |
| 8311 509                              | Electrical Equip Install       |      |       | 20,000      | 20,000          |
| 8311 510                              | Compressor                     |      |       |             | 0               |
| 8311 511                              | Flowlines                      |      |       | 45,000      | 45,000          |
| 8311 512                              | Labor                          |      |       | 50,000      | 50,000          |
| 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                |      |       | 45,000      | 45,000          |
| 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        |                                |      |       | \$405,000   | \$405,000       |
| SUB-TOTAL INTANGIBLE COSTS (PAGE 1)   |                                |      |       | \$3,037,951 | \$5,486,400     |
| SUB-TOTAL TANGIBLE COSTS (PAGE 2)     |                                |      |       | \$595,000   | \$520,000       |
| GRAND TOTAL                           |                                |      |       | \$3,632,951 | \$6,411,400     |
| LESS OUTSIDE INTERESTS                |                                |      |       | \$3,632,951 | \$6,411,400     |
| 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 | \$3,632,951 |
| 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 |
|                           |                  |             |      |
|                           |                  |             |      |
|                           |                  |             |      |
|                           |                  |             |      |

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# Ascent Energy, LLC

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

|             |                    |          |                |                |                   |
|-------------|--------------------|----------|----------------|----------------|-------------------|
| COST CENTER | Anvil Fed Com 702H | BUD YEAR | 2019           | DATE           | August 16, 2019   |
| AFE NO.     |                    | CATEGORY | D&C            | SUPPLEMENT NO. |                   |
| FIELD       | Rawhide            | REGION   | Delaware Basin | LEGAL:         | 20S 30E           |
| OPERATOR    | Ascent Energy, LLC | WELL NO. | 702H           | W.I.           |                   |
| OBJECTIVE   | Wolfcamp A         | STATE    | NM             | MD/TVD         | +/-22,840/10,000' |

|                                                                                                        |        |
|--------------------------------------------------------------------------------------------------------|--------|
| ESTIMATED PROJECT START DATE:                                                                          | 2Q2020 |
| DESCRIPTION: Drill a 9900' lateral in the Wolfcamp A and frac with 56 stages. Assumes 4 string design. |        |

| INTANGIBLE DRILLING COSTS |                                                 |        |        |             |  |                 |
|---------------------------|-------------------------------------------------|--------|--------|-------------|--|-----------------|
| ACCT.                     | DESCRIPTION                                     | Rate   | Units  | DRYHOLE     |  | TOTAL WELL COST |
| 8305 101                  | Location Cleanup & Damages                      |        |        | \$70,000    |  | \$70,000        |
| 8305 102                  | Rig Move - MIRU, RDMO                           |        |        | \$75,000    |  | 75,000          |
| 8305 103                  | Rig Contractor-Daywork/FT                       |        |        | \$765,000   |  | 765,000         |
| 8305 104                  | Rig Contractor-Turnkey                          |        |        |             |  | 0               |
| 8305 105                  | Power & Fuel                                    |        |        | \$130,000   |  | 130,000         |
| 8305 106                  | Drill Fluids & Chemicals                        |        |        | \$190,000   |  | 190,000         |
| 8305 107                  | Bits, Reamer, Stabilizers                       |        |        | \$120,000   |  | 120,000         |
| 8305 108                  | Cement & Cementing Services                     |        |        | \$270,000   |  | 270,000         |
| 8305 109                  | Mud Logging                                     |        |        | \$75,000    |  | 75,000          |
| 8305 110                  | Open Hole Logging                               |        |        | \$65,000    |  | 65,000          |
| 8305 111                  | Csg Crews & Tools                               |        |        | \$95,000    |  | 95,000          |
| 8305 112                  | Directional Tools & Service                     |        |        | \$310,000   |  | 310,000         |
| 8305 114                  | Form Eval - Well Testing DST - Coring, Sampling |        |        |             |  | 0               |
| 8305 115                  | Tubular Inspection                              |        |        | \$20,000    |  | 20,000          |
| 8305 116                  | Equipment Rentals                               |        |        | \$325,000   |  | 325,000         |
| 8305 117                  | Contract Labor & Services                       |        |        | \$130,000   |  | 130,000         |
| 8305 118                  | Wellsite Consultants                            |        |        | \$144,000   |  | 144,000         |
| 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                                       | 1.9243 | 22,840 | \$43,951    |  | 43,951          |
| 8305 123                  | Overhead                                        |        |        | \$25,000    |  | 25,000          |
| 8305 124                  | Water & Water Well                              |        |        | \$50,000    |  | 50,000          |
| 8305 125                  | Unanticipated MirExp (Fishing)                  |        |        |             |  | 0               |
| 8305 126                  | Legal                                           |        |        | \$50,000    |  | 50,000          |
| 8305 127                  | Outside Operated Other                          |        |        |             |  | 0               |
| 8305 128                  | Permits                                         |        |        | \$10,000    |  | 10,000          |
| 8305 129                  | Environmental & Safety                          |        |        | \$20,000    |  | 20,000          |
| 8305 130                  | Plugging                                        |        |        |             |  | 0               |
|                           | SUBTOTAL                                        |        |        | \$3,082,951 |  | \$3,082,951     |
| 8305 199                  | CONTINGENCY (%)                                 | 0.00%  |        | 0           |  | 0               |
|                           | SUB-TOTAL INTANGIBLE DRILLING COSTS             |        |        | \$3,082,951 |  | \$3,082,951     |

| INTANGIBLE COMPLETION COSTS |                                       |       |       |             |             |                 |
|-----------------------------|---------------------------------------|-------|-------|-------------|-------------|-----------------|
| ACCT.                       | DESCRIPTION                           | Rate  | Units | COMPLETION  |             | TOTAL WELL COST |
| 8306 201                    | Location & Cleanup                    |       |       | \$10,000    |             | \$10,000        |
| 8306 202                    | Power & Fuel                          |       |       | 300,000     |             | 300,000         |
| 8306 203                    | Compl Fluids & Chemicals              |       |       | 65,000      |             | 65,000          |
| 8306 204                    | Bits, Reamer, Stabilizers             |       |       |             |             | 0               |
| 8306 205                    | Cement & Cementing Svcs               |       |       |             |             | 0               |
| 8306 206                    | Logging & Perforation Svcs            |       |       | 275,000     |             | 275,000         |
| 8306 207                    | Csg Crews & Tools-Drive Hammer        |       |       |             |             | 0               |
| 8306 208                    | Directional Tools & Svcs              |       |       |             |             | 0               |
| 8306 209                    | Formation Stimulatr Acid Frac         |       |       | 3,300,000   |             | 3,300,000       |
| 8306 210                    | Formation Evaluation                  |       |       |             |             | 0               |
| 8306 211                    | Tubular Inspection                    |       |       |             |             | 0               |
| 8306 212                    | Equipment Rentals                     |       |       | 225,000     |             | 225,000         |
| 8306 213                    | Contract Labor & Services             |       |       |             |             | 0               |
| 8306 214                    | Wellsite Consultant                   | \$ -  | 0     | 75,000      |             | 75,000          |
| 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                    |       |       | 500,000     |             | 500,000         |
| 8306 221                    | Unanticipated MatExp Fishing          |       |       |             |             | 0               |
| 8306 222                    | Coil Tubing Services                  |       |       | 125,000     |             | 125,000         |
| 8306 223                    | Misc Supplies & Materials             |       |       | 50,000      |             | 50,000          |
| 8306 224                    | Flowback Testing                      |       |       | 85,000      |             | 85,000          |
| 8306 225                    | Legal & Permits                       |       |       | 5,000       |             | 5,000           |
| 8306 226                    | Environmental & Safety Costs          |       |       |             |             | 0               |
| 8306 227                    | Plugging                              |       |       |             |             | 0               |
| 8306 228                    | Completion Rig                        | \$ -  | 0     | 30,000      |             | 30,000          |
|                             | SUBTOTAL                              |       |       | \$5,080,000 |             | \$5,080,000     |
| 8306 299                    | CONTINGENCY (%)                       | 8.00% |       | 406,400     |             | 406,400         |
|                             | SUB-TOTAL INTANGIBLE COMPLETION COSTS |       |       | \$5,486,400 |             | \$5,486,400     |
|                             | SUB-TOTAL INTANGIBLE COSTS            |       |       | \$3,082,951 | \$5,486,400 | \$8,569,351     |

| TANGIBLE DRILLING COSTS |                                   |      |       |           |  |                 |
|-------------------------|-----------------------------------|------|-------|-----------|--|-----------------|
| ACCT.                   | DESCRIPTION                       | Rate | Units | DRYHOLE   |  | TOTAL WELL COST |
| 8308 301                | Drive Pipe Conductor Casing       | \$ - | 0     | \$35,000  |  | \$35,000        |
| 8308 302                | Surface Casing                    | \$ - | 0     | \$65,000  |  | 65,000          |
| 8308 303                | Intermediate Casing               | \$ - | 0     | \$140,000 |  | 140,000         |
| 8308 304                | 2nd Intermediate Casing           | \$ - | 0     | \$265,000 |  | 265,000         |
| 8308 305                | Subs Fit Eqp Centralizers Etc     |      |       | 30,000    |  | 30,000          |
| 8308 306                | Casinghead Drilling Spool         |      |       | \$60,000  |  | 60,000          |
| 8308 307                | Sub Surface Equipment             |      |       |           |  | 0               |
| 8308 308                | Outside Operated Other            |      |       |           |  | 0               |
|                         | SUB-TOTAL TANGIBLE DRILLING COSTS |      |       | \$595,000 |  | \$595,000       |

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| TANGIBLE COMPLETION COSTS  |                                       |      |       |             |             |                 |
|----------------------------|---------------------------------------|------|-------|-------------|-------------|-----------------|
| ACCT.                      | DESCRIPTION                           | Rate | Units |             | COMPLETION  | TOTAL WELL COST |
| 8309 401                   | Production Casing                     | \$ - | 0     |             | 360,000     | \$360,000       |
| 8309 402                   | Tubing                                | \$ - | 0     |             | 40,000      | 40,000          |
| 8309 403                   | Subs Fit Eqpt Centralizers Etc        |      |       |             | 30,000      | 30,000          |
| 8309 404                   | Sub Surface Equipment                 |      |       |             | 30,000      | 30,000          |
| 8309 405                   | Xmas Tree Upper Section               |      |       |             | 60,000      | 60,000          |
| 8309 406                   | Outside Operated Other                |      |       |             |             | 0               |
|                            | SUB-TOTAL TANGIBLE COMPLETION COSTS   |      |       |             | \$520,000   | \$520,000       |
|                            | SUB-TOTAL TANGIBLE COSTS              |      |       | \$595,000   | \$520,000   | \$1,115,000     |
|                            | SUB-TOTAL INTANGIBLE & TANGIBLE COSTS |      |       | \$3,677,951 | \$6,006,400 | \$9,684,351     |
| 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                                 |      |       |             |             | 0               |
| 8311 508                   | Meters                                |      |       |             | 70,000      | 70,000          |
| 8311 509                   | Electrical Equip Install              |      |       |             | 25,000      | 25,000          |
| 8311 510                   | Compressor                            |      |       |             | 20,000      | 20,000          |
| 8311 511                   | Flowlines                             |      |       |             |             | 0               |
| 8311 512                   | Labor                                 |      |       |             | 45,000      | 45,000          |
| 8311 513                   | Trucks Hauling Transportation         |      |       |             | 50,000      | 50,000          |
| 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                               |      |       |             | 45,000      | 45,000          |
| 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        |      |       |             | \$405,000   | \$405,000       |
|                            | SUB-TOTAL INTANGIBLE COSTS (PAGE 1)   |      |       | \$3,082,951 | \$5,486,400 | \$8,569,351     |
|                            | SUB-TOTAL TANGIBLE COSTS (PAGE 2)     |      |       | \$595,000   | \$520,000   | \$1,115,000     |
|                            | GRAND TOTAL                           |      |       | \$3,677,951 | \$6,411,400 | \$10,089,351    |
|                            | LESS OUTSIDE INTERESTS                |      |       | \$3,677,951 | \$6,411,400 | \$10,089,351    |
|                            | 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 | \$3,677,951 |
| 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 |
|---------|------------------|-------------|------|
|         |                  |             |      |
|         |                  |             |      |
|         |                  |             |      |
|         |                  |             |      |

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District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                         |                                                         |                                         |
|-----------------------------------------|---------------------------------------------------------|-----------------------------------------|
| <sup>1</sup> API Number                 | <sup>2</sup> Pool Code                                  | <sup>3</sup> Pool Name                  |
| <sup>4</sup> Property Code              | <sup>5</sup> Property Name<br><b>ANVIL FED COM</b>      | <sup>6</sup> Well Number<br><b>401H</b> |
| <sup>7</sup> OGRID No.<br><b>325830</b> | <sup>8</sup> Operator Name<br><b>ASCENT ENERGY, LLC</b> | <sup>9</sup> Elevation<br><b>3383.0</b> |

**" Surface Location**

| UL or lot no. | Section  | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>1</b>      | <b>4</b> | <b>21 S</b> | <b>29 E</b> |         | <b>165</b>    | <b>NORTH</b>     | <b>925</b>    | <b>EAST</b>    | <b>EDDY</b> |

**" 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>D</b>      | <b>28</b> | <b>20 S</b> | <b>30 E</b> |         | <b>330</b>    | <b>NORTH</b>     | <b>340</b>    | <b>WEST</b>    | <b>EDDY</b> |

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

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>ANVIL FED COM 401H</b><br>EL. = 3383.0<br><br>GEODETIC COORDINATES<br>NAD 27 NMSP EAST<br>SURFACE LOCATION<br>N. = 553789.83<br>E. = 607836.52<br>LAT. = 32.5219908°N<br>LONG. = 103.9834721°W<br><br>FIRST TAKE POINT<br>NAD 27 NMSP EAST<br>N. = 554286.09<br>E. = 607819.29<br>LAT. = 32.5233572°N<br>LONG. = 103.9841715°W<br><br>LAST TAKE POINT<br>NAD 27 NMSP EAST<br>N. = 564199.71<br>E. = 607587.35<br>LAT. = 32.5506081°N<br>LONG. = 103.9841698°W<br><br>BOTTOM OF HOLE<br>NAD 27 NMSP EAST<br>N. = 564201.68<br>E. = 607587.35<br>LAT. = 32.5506135°N<br>LONG. = 103.9841697°W | <b>ANVIL FED COM 401H</b><br>EL. = 3383.0<br><br>GEODETIC COORDINATES<br>NAD 83 NMSP EAST<br>SURFACE LOCATION<br>N. = 553851.06<br>E. = 649017.39<br>LAT. = 32.5221106°N<br>LONG. = 103.9839722°W<br><br>FIRST TAKE POINT<br>NAD 83 NMSP EAST<br>N. = 554347.53<br>E. = 648800.16<br>LAT. = 32.5234773°N<br>LONG. = 103.9846717°W<br><br>LAST TAKE POINT<br>NAD 83 NMSP EAST<br>N. = 564281.37<br>E. = 648767.98<br>LAT. = 32.5507279°N<br>LONG. = 103.9846708°W<br><br>BOTTOM OF HOLE<br>NAD 83 NMSP EAST<br>N. = 564263.33<br>E. = 648767.99<br>LAT. = 32.5507333°N<br>LONG. = 103.9846708°W | <b>" OPERATOR CERTIFICATION</b><br>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.<br><br>Signature _____ Date _____<br><br>Printed Name _____<br><br>E-mail Address _____ |
|  | <b>" SURVEYOR CERTIFICATION</b><br>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.<br>JUNE 2, 2018<br>Date of Survey _____<br>Signature and Seal of Professional Surveyor _____<br>Certificate Number: ERLIMON F. JARAMILLO, PLS 12797<br>SURVEY NO. 6225                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|  | <b>CORNER COORDINATES TABLE</b><br>NAD 27 NMSP EAST<br>A - N. = 564533.18, E. = 607245.97 G - N. = 553953.57, E. = 607290.81<br>B - N. = 564520.94, E. = 606983.89 H - N. = 553956.24, E. = 606760.89<br>C - N. = 561885.14, E. = 607257.81 I - N. = 553958.43, E. = 609937.55<br>D - N. = 559239.23, E. = 607689.74 J - N. = 551466.55, E. = 606129.90<br>E - N. = 559238.88, E. = 606922.98 K - N. = 551477.25, E. = 606767.59<br>F - N. = 553952.08, E. = 606128.55                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|  | <b>CORNER COORDINATES TABLE</b><br>NAD 83 NMSP EAST<br>A - N. = 564594.83, E. = 648426.60 G - N. = 554015.00, E. = 648471.68<br>B - N. = 564582.61, E. = 651074.52 H - N. = 554017.67, E. = 649941.76<br>C - N. = 561946.74, E. = 648438.30 I - N. = 554019.88, E. = 651118.42<br>D - N. = 559300.77, E. = 648450.49 J - N. = 551527.92, E. = 647310.83<br>E - N. = 559300.44, E. = 651103.73 K - N. = 551538.63, E. = 649948.52<br>F - N. = 554013.51, E. = 647309.42                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

Setbacks will be revised to 100' from heel & toe & 330' FWL

Ascent  
EXHIBIT A-1

Ascent Energy, LLC  
Case No. **Exhibit**  
**ANVIL FED COM 401H**  
**C-102 Well Plat**

Oct 24, 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

|                                  |                                                  |                                  |
|----------------------------------|--------------------------------------------------|----------------------------------|
| <sup>1</sup> API Number          | <sup>2</sup> Pool Code                           | <sup>3</sup> Pool Name           |
| <sup>4</sup> Property Code       | <sup>5</sup> Property Name<br>ANVIL FED COM      | <sup>6</sup> Well Number<br>501H |
| <sup>7</sup> OGRID No.<br>325830 | <sup>8</sup> Operator Name<br>ASCENT ENERGY, LLC | <sup>9</sup> Elevation<br>3382.7 |

<sup>10</sup> Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 1             | 4       | 21 S     | 29 E  |         | 165           | NORTH            | 955           | EAST           | EDDY   |

<sup>11</sup> Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D             | 28      | 20 S     | 30 E  |         | 330           | NORTH            | 340           | WEST           | EDDY   |

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

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

**ANVIL FED COM 601H**  
EL. = 3382.7

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>GEODETTIC COORDINATES</b><br/>NAD 27 NMSP EAST<br/>SURFACE LOCATION<br/>N. = 553789.56<br/>E. = 607806.56<br/>LAT. = 32.5219907°N<br/>LONG. = 103.9835693°W</p> <p><b>FIRST TAKE POINT</b><br/>NAD 27 NMSP EAST<br/>N. = 554286.09<br/>E. = 607619.29<br/>LAT. = 32.5233572°N<br/>LONG. = 103.9841715°W</p> <p><b>LAST TAKE POINT</b><br/>NAD 27 NMSP EAST<br/>N. = 564199.71<br/>E. = 607587.35<br/>LAT. = 32.5506081°N<br/>LONG. = 103.9841698°W</p> <p><b>BOTTOM OF HOLE</b><br/>NAD 27 NMSP EAST<br/>N. = 564201.68<br/>E. = 607587.35<br/>LAT. = 32.5506135°N<br/>LONG. = 103.9841697°W</p> | <p><b>GEODETTIC COORDINATES</b><br/>NAD 83 NMSP EAST<br/>SURFACE LOCATION<br/>N. = 553850.99<br/>E. = 648987.43<br/>LAT. = 32.5221107°N<br/>LONG. = 103.9840694°W</p> <p><b>FIRST TAKE POINT</b><br/>NAD 83 NMSP EAST<br/>N. = 554347.53<br/>E. = 648800.16<br/>LAT. = 32.5234773°N<br/>LONG. = 103.9846717°W</p> <p><b>LAST TAKE POINT</b><br/>NAD 83 NMSP EAST<br/>N. = 564261.37<br/>E. = 648767.98<br/>LAT. = 32.5507279°N<br/>LONG. = 103.9846708°W</p> <p><b>BOTTOM OF HOLE</b><br/>NAD 83 NMSP EAST<br/>N. = 564263.33<br/>E. = 648767.98<br/>LAT. = 32.5507333°N<br/>LONG. = 103.9846708°W</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**CORNER COORDINATES TABLE**  
NAD 27 NMSP EAST

|                                     |                                    |
|-------------------------------------|------------------------------------|
| A - N. = 564533.18, E. = 607245.97  | G - N. = 553953.57, E. = 607290.81 |
| B - N. = 564520.94, E. = 609989.389 | H - N. = 553956.24, E. = 608760.89 |
| C - N. = 561885.14, E. = 607257.61  | I - N. = 553958.43, E. = 609937.55 |
| D - N. = 559238.23, E. = 607269.74  | J - N. = 551466.55, E. = 606129.90 |
| E - N. = 559238.88, E. = 609922.98  | K - N. = 551477.25, E. = 608767.59 |
| F - N. = 553952.08, E. = 606128.55  |                                    |

**CORNER COORDINATES TABLE**  
NAD 83 NMSP EAST

|                                    |                                    |
|------------------------------------|------------------------------------|
| A - N. = 564594.83, E. = 648426.60 | G - N. = 554015.00, E. = 648471.68 |
| B - N. = 564582.61, E. = 651074.52 | H - N. = 554017.67, E. = 649941.76 |
| C - N. = 561946.74, E. = 648438.30 | I - N. = 554019.88, E. = 651118.42 |
| D - N. = 559300.77, E. = 648450.49 | J - N. = 551527.92, E. = 647310.83 |
| E - N. = 559300.44, E. = 651103.73 | K - N. = 551538.63, E. = 649948.92 |
| F - N. = 554013.51, E. = 647309.42 |                                    |

**<sup>17</sup> OPERATOR CERTIFICATION**  
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

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

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

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

**<sup>18</sup> SURVEYOR CERTIFICATION**  
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JUNE 2, 2018  
Date of Survey

Signature and Seal of Professional Surveyor  
Certificate Number: THOMSON J. JARAMILLO, PLS 12797

SURVEY NO. 6226

Setbacks will be revised to 100' from heel & toe & 330' FWL

|                                       |         |
|---------------------------------------|---------|
| Ascent Energy, LLC                    |         |
| Case No.                              | Exhibit |
| ANVIL FED COM 501H<br>C-102 Well Plat |         |
| Oct 24, 2018                          |         |



District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
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Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                         |                                                         |                                         |
|-----------------------------------------|---------------------------------------------------------|-----------------------------------------|
| <sup>1</sup> API Number                 | <sup>2</sup> Pool Code                                  | <sup>3</sup> Pool Name                  |
| <sup>4</sup> Property Code              | <sup>5</sup> Property Name<br><b>ANVIL FED COM</b>      |                                         |
| <sup>7</sup> OGRID No.<br><b>325830</b> | <sup>8</sup> Operator Name<br><b>ASCENT ENERGY, LLC</b> | <sup>6</sup> Well Number<br><b>601H</b> |
|                                         |                                                         | <sup>9</sup> Elevation<br><b>3386.5</b> |

**" Surface Location**

| UL or lot no. | Section  | Township    | Range       | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|----------|-------------|-------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>1</b>      | <b>4</b> | <b>21 S</b> | <b>29 E</b> |         | <b>210</b>    | <b>NORTH</b>     | <b>925</b>    | <b>EAST</b>    | <b>EDDY</b> |

**" 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>D</b>      | <b>28</b> | <b>20 S</b> | <b>30 E</b> |         | <b>330</b>    | <b>NORTH</b>     | <b>993</b>    | <b>WEST</b>    | <b>EDDY</b> |

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

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>ANVIL FED COM 601H</b><br>EL. = 3386.5<br>GEODETIC COORDINATES<br>NAD 27 NMSP EAST<br>SURFACE LOCATION<br>N. = 553744.53<br>E. = 607836.66<br>LAT. = 32.5218566°N<br>LONG. = 103.9834721°W<br>FIRST TAKE POINT<br>NAD 27 NMSP EAST<br>N. = 554287.31<br>E. = 608282.14<br>LAT. = 32.5233546°N<br>LONG. = 103.9820210°W<br>LAST TAKE POINT<br>NAD 27 NMSP EAST<br>N. = 564196.70<br>E. = 608240.21<br>LAT. = 32.5505939°N<br>LONG. = 103.9820510°W<br>BOTTOM OF HOLE<br>NAD 27 NMSP EAST<br>N. = 564198.66<br>E. = 608240.19<br>LAT. = 32.5505933°N<br>LONG. = 103.9820511°W | <b>ANVIL FED COM 601H</b><br>EL. = 3386.5<br>GEODETIC COORDINATES<br>NAD 83 NMSP EAST<br>SURFACE LOCATION<br>N. = 553805.96<br>E. = 649017.54<br>LAT. = 32.5219867°N<br>LONG. = 103.9839722°W<br>FIRST TAKE POINT<br>NAD 83 NMSP EAST<br>N. = 554348.75<br>E. = 649463.00<br>LAT. = 32.5234747°N<br>LONG. = 103.9825211°W<br>LAST TAKE POINT<br>NAD 83 NMSP EAST<br>N. = 564258.35<br>E. = 649420.85<br>LAT. = 32.5507137°N<br>LONG. = 103.9825520°W<br>BOTTOM OF HOLE<br>NAD 83 NMSP EAST<br>N. = 564260.32<br>E. = 649420.83<br>LAT. = 32.5507191°N<br>LONG. = 103.9825521°W | <b>" OPERATOR CERTIFICATION</b><br>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 undivided 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.<br>Signature _____ Date _____<br>Printed Name _____<br>E-mail Address _____ |
|  | <b>CORNER COORDINATES TABLE</b><br>NAD 27 NMSP EAST<br>A - N. = 564533.18, E. = 607245.97<br>B - N. = 564520.94, E. = 609893.89<br>C - N. = 561885.14, E. = 607257.61<br>D - N. = 559239.23, E. = 607269.74<br>E - N. = 559238.88, E. = 609922.98<br>F - N. = 553952.08, E. = 606128.55<br>G - N. = 553953.57, E. = 607290.81<br>H - N. = 553956.24, E. = 608760.89<br>I - N. = 553958.43, E. = 609937.55<br>J - N. = 551486.55, E. = 606129.90<br>K - N. = 551477.25, E. = 608767.59                                                                                          | <b>" SURVEYOR CERTIFICATION</b><br>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.<br>JUNE 2, 2018<br>Date of Survey<br><br>Signature and Seal of Professional Surveyor<br>Certificate Number: FILMON F. JARAMILLO, PLS 12797<br>SURVEY NO. 6227                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

Setbacks will be revised to 100' from heel & toe & 990' FWL

|                                       |         |
|---------------------------------------|---------|
| Ascent Energy, LLC                    |         |
| Case No.                              | Exhibit |
| ANVIL FED COM 601H<br>C-102 Well Plat |         |
| Oct 24, 2018                          |         |



District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
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Phone: (575) 748-1283 Fax: (575) 748-9720  
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Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
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Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                  |                                                  |                                  |
|----------------------------------|--------------------------------------------------|----------------------------------|
| <sup>1</sup> API Number          | <sup>2</sup> Pool Code                           | <sup>3</sup> Pool Name           |
| <sup>4</sup> Property Code       | <sup>5</sup> Property Name<br>ANVIL FED COM      |                                  |
| <sup>7</sup> OGRID No.<br>325830 | <sup>8</sup> Operator Name<br>ASCENT ENERGY, LLC | <sup>6</sup> Well Number<br>701H |
|                                  |                                                  | <sup>9</sup> Elevation<br>3386.2 |

<sup>10</sup> Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 1             | 4       | 21 S     | 29 E  |         | 210           | NORTH            | 955           | EAST           | EDDY   |

<sup>11</sup> Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D             | 28      | 20 S     | 30 E  |         | 330           | NORTH            | 340           | WEST           | EDDY   |

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

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>ANVIL FED COM 701H<br/>EL. = 3386.2</p> <p>GEODETIC COORDINATES<br/>NAD 27 NMSP EAST<br/>SURFACE LOCATION<br/>N. = 553744.53<br/>E. = 607806.62<br/>LAT. = 32.5218669°N<br/>LONG. = 103.9835695°W</p> <p>FIRST TAKE POINT<br/>NAD 27 NMSP EAST<br/>N. = 554286.09<br/>E. = 607819.29<br/>LAT. = 32.5233572°N<br/>LONG. = 103.9841715°W</p> <p>LAST TAKE POINT<br/>NAD 27 NMSP EAST<br/>N. = 564199.71<br/>E. = 607587.35<br/>LAT. = 32.5506081°N<br/>LONG. = 103.9841698°W</p> <p>BOTTOM OF HOLE<br/>NAD 27 NMSP EAST<br/>N. = 564201.68<br/>E. = 607587.35<br/>LAT. = 32.5506135°N<br/>LONG. = 103.9841697°W</p> | <p>GEODETIC COORDINATES<br/>NAD 83 NMSP EAST<br/>SURFACE LOCATION<br/>N. = 553805.96<br/>E. = 648987.50<br/>LAT. = 32.5219870°N<br/>LONG. = 103.9840696°W</p> <p>FIRST TAKE POINT<br/>NAD 83 NMSP EAST<br/>N. = 554347.53<br/>E. = 648800.16<br/>LAT. = 32.5234773°N<br/>LONG. = 103.9846717°W</p> <p>LAST TAKE POINT<br/>NAD 83 NMSP EAST<br/>N. = 564228.17<br/>E. = 648767.98<br/>LAT. = 32.5507279°N<br/>LONG. = 103.9846708°W</p> <p>BOTTOM OF HOLE<br/>NAD 83 NMSP EAST<br/>N. = 564263.33<br/>E. = 648767.99<br/>LAT. = 32.5507333°N<br/>LONG. = 103.9846708°W</p> | <p><b>17 OPERATOR CERTIFICATION</b><br/>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<br/>NAD 27 NMSP EAST</p> <p>A - N = 564533.18, E = 607245.97 G - N = 553953.57, E = 607290.81<br/>B - N = 564520.94, E = 609893.89 H - N = 553956.24, E = 608760.89<br/>C - N = 561885.14, E = 607257.61 I - N = 553958.43, E = 609937.55<br/>D - N = 559239.23, E = 607289.74 J - N = 551466.55, E = 606129.90<br/>E - N = 559238.88, E = 609922.98 K - N = 551477.25, E = 608767.59<br/>F - N = 553952.08, E = 606128.55</p>                                                                                                                                                           | <p><b>18 SURVEYOR CERTIFICATION</b><br/>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>JUNE 2, 2018<br/>Date of Survey</p> <p>Signature and Seal of Professional Surveyor<br/>Certificate Number: FELIMON F. JARAMILLO, PLS 12797</p>                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|  | <p>CORNER COORDINATES TABLE<br/>NAD 83 NMSP EAST</p> <p>A - N = 564594.83, E = 648428.80 G - N = 554015.00, E = 648471.68<br/>B - N = 564582.61, E = 651074.52 H - N = 554017.67, E = 649941.76<br/>C - N = 561946.74, E = 648438.30 I - N = 554019.88, E = 651118.42<br/>D - N = 559300.77, E = 648450.49 J - N = 551527.92, E = 647310.83<br/>E - N = 559300.44, E = 651103.73 K - N = 551538.63, E = 649948.52<br/>F - N = 554013.51, E = 647309.42</p>                                                                                                                                                           | <p>Signature _____</p> <p>Survey No. 6228</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|  | <p>Setbacks will be revised to 100' from heel &amp; toe &amp; 330' FWL</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

Ascent Energy, LLC

Case No. Exhibit

ANVIL FED COM 701H  
C-102 Well Plat

Nov 25, 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

|                                  |                                                  |                                  |
|----------------------------------|--------------------------------------------------|----------------------------------|
| <sup>1</sup> API Number          | <sup>2</sup> Pool Code                           | <sup>3</sup> Pool Name           |
| <sup>4</sup> Property Code       | <sup>5</sup> Property Name<br>ANVIL FED COM      | <sup>6</sup> Well Number<br>702H |
| <sup>7</sup> OGRID No.<br>325830 | <sup>8</sup> Operator Name<br>ASCENT ENERGY, LLC | <sup>9</sup> Elevation<br>3386.0 |

<sup>10</sup> Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 1             | 4       | 21 S     | 29 E  |         | 210           | NORTH            | 895           | EAST           | EDDY   |

<sup>11</sup> Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| D             | 28      | 20 S     | 30 E  |         | 330           | NORTH            |               | WEST           | EDDY   |

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

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|  | <p><b>ANVIL FED COM 702H</b><br/>EL. = 3386.0</p> <p>GEODETIC COORDINATES<br/>NAD 27 NMSP EAST<br/>SURFACE LOCATION<br/>N. = 553744.69<br/>E. = 607866.62<br/>LAT. = 32.5218668°N<br/>LONG. = 103.9833749°W</p> <p>FIRST TAKE POINT<br/>NAD 27 NMSP EAST<br/>N. = 554287.31<br/>E. = 608282.14<br/>LAT. = 32.5233546°N<br/>LONG. = 103.9820210°W</p> <p>LAST TAKE POINT<br/>NAD 27 NMSP EAST<br/>N. = 564196.70<br/>E. = 608240.21<br/>LAT. = 32.5505939°N<br/>LONG. = 103.9820510°W</p> <p>BOTTOM OF HOLE<br/>NAD 27 NMSP EAST<br/>N. = 564198.65<br/>E. = 608240.19<br/>LAT. = 32.5505993°N<br/>LONG. = 103.9820511°W</p> <p>CORNER COORDINATES TABLE<br/>NAD 27 NMSP EAST<br/>A - N. = 564533.18, E. = 607245.97<br/>B - N. = 564520.94, E. = 609993.89<br/>C - N. = 561885.14, E. = 607257.81<br/>D - N. = 559239.23, E. = 607269.74<br/>E - N. = 559238.88, E. = 609922.98<br/>F - N. = 553952.08, E. = 606128.55</p> <p>CORNER COORDINATES TABLE<br/>NAD 83 NMSP EAST<br/>A - N. = 564594.83, E. = 648426.60<br/>B - N. = 564582.61, E. = 651074.52<br/>C - N. = 561946.74, E. = 648438.30<br/>D - N. = 559300.77, E. = 648450.49<br/>E - N. = 559300.44, E. = 651103.73<br/>F - N. = 554013.51, E. = 647309.42</p> |  | <p>GEODETIC COORDINATES<br/>NAD 83 NMSP EAST<br/>SURFACE LOCATION<br/>N. = 553806.12<br/>E. = 649047.50<br/>LAT. = 32.5219868°N<br/>LONG. = 103.9838750°W</p> <p>FIRST TAKE POINT<br/>NAD 83 NMSP EAST<br/>N. = 554348.75<br/>E. = 649463.00<br/>LAT. = 32.5234747°N<br/>LONG. = 103.9825211°W</p> <p>LAST TAKE POINT<br/>NAD 83 NMSP EAST<br/>N. = 564258.35<br/>E. = 649420.85<br/>LAT. = 32.5507137°N<br/>LONG. = 103.9825520°W</p> <p>BOTTOM OF HOLE<br/>NAD 83 NMSP EAST<br/>N. = 564260.32<br/>E. = 649420.83<br/>LAT. = 32.5507191°N<br/>LONG. = 103.9825521°W</p> |  |
|  | <p><b>17 OPERATOR CERTIFICATION</b><br/>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
|  | <p><b>18 SURVEYOR CERTIFICATION</b><br/>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>JUNE 2, 2018<br/>Date of Survey</p> <p><br/>Signature and Seal of Professional Surveyor</p> <p>Certificate Number: FILMON F. JARAMILLO, PLS 12797<br/>SURVEY NO. 6229</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
|  | <p>Setbacks will be revised to 100' from heel &amp; toe &amp; 990' FWL</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |

|                                       |         |
|---------------------------------------|---------|
| Ascent Energy, LLC                    |         |
| Case No.                              | Exhibit |
| ANVIL FED COM 702H<br>C-102 Well Plat |         |
| Nov 25, 2018                          |         |



July 30, 2018

EOG Y Resources, Inc.  
105 S. 4<sup>th</sup> Street  
Artesia, NM 88210  
Attn: Land Department

RE: Anvil FedCom #401H  
T20S-R30E  
Sec. 33: W2W2  
Sec. 28: W2W2  
320 Gross Acres, more or less  
Eddy County, New Mexico

Dear Working Interest Owner:

Ascent Energy, LLC ("Ascent") hereby proposes the drilling, completing and equipping the Anvil Fed Com #401H (the "Well") to test the Bone Spring formation at a total vertical depth of 7,750' and a total measured depth of 17,927' ("Operation"). The estimated cost associated with the Operation is \$8,023,997, as outlined in the enclosed Authority for Expenditure dated June 6, 2018. Ascent's records indicate that EOG Y Resources, Inc. ("EOG") owns a 3.49% working interest in the Well, and EOG's estimated costs associated with this Operation is approximately \$280,276.

The proposed surface location of the Well is 165' FNL & 925' FEL of Section 4, Township 21 South, Range 29 East with a proposed bottom hole location 330' FNL & 340' FWL of Section 28 Township 20 South, Range 30 East. Ascent reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. Ascent will advise you of any such modifications.

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

- Contract Area:  
Township 20 South, Range 30 East  
Section 33: W2W2  
Section 28: W2W2
- Ascent named as Operator
- 100%/300%/300% non-consent penalties
- \$7,000.00/\$700.00 drilling and producing overhead rates

Ascent  
EXHIBIT A-2



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

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

Very Truly Yours,

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

Enclosure(s): Anvil Fed Com #401H AFE  
Draft 2015 Horizontal AAPL Form 610 Operating Agreement (email only)

\_\_\_\_ EOGY Resources, Inc. hereby elects to participate in the proposed Operation by paying its proportionate share of the costs outlined on the Anvil Fed Com #401H AFE.

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

Working Interest Owner:

EOGY Resources, Inc.

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

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

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



July 30, 2018

EOG Y Resources, Inc.  
105 S. 4<sup>th</sup> Street  
Artesia, NM 88210  
Attn: Land Department

RE: Anvil Fed Com #501H  
T20S-R30E  
Sec. 33: W2W2  
Sec. 28: W2W2  
320 Gross Acres, more or less  
Eddy County, New Mexico

Dear Working Interest Owner:

Ascent Energy, LLC ("Ascent") hereby proposes the drilling, completing and equipping the Anvil Fed Com #501H (the "Well") to test the Bone Spring formation at a total vertical depth of 8,506' and a total measured depth of 18,750' ("Operation"). The estimated cost associated with the Operation is \$8,108,081, as outlined in the enclosed Authority for Expenditure dated June 6, 2018. Ascent's records indicate that EOG Y Resources, Inc. ("EOG") owns a 3.49% working interest in the Well, and EOG's estimated costs associated with this Operation is approximately \$282,972.

The proposed surface location of the Well is 165' FNL & 955' FEL of Section 4, Township 21 South, Range 29 East with a proposed bottom hole location 330' FNL & 340' FWL of Section 28 Township 20 South, Range 30 East. Ascent reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. Ascent will advise you of any such modifications.

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

- Contract Area:  
Township 20 South, Range 30 East  
Section 33: W2W2  
Section 28: W2W2
- Ascent named as Operator
- 100%/300%/300% non-consent penalties
- \$7,000.00/\$700.00 drilling and producing overhead rates



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

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

Very Truly Yours,

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

Enclosure(s): Anvil Fed Com #501H AFE  
Draft 2015 Horizontal AAPL Form 610 Operating Agreement (email only)

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

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

Working Interest Owner:

EOG Y Resources, Inc.

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

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

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



July 30, 2018

EOG Y Resources, Inc.  
105 S. 4<sup>th</sup> Street  
Artesia, NM 88210  
Attn: Land Department

RE: Anvil FedCom #601H  
T20S-R30E  
Sec. 33: W2W2  
Sec. 28: W2W2  
320 Gross Acres, more or less  
Eddy County, New Mexico

Dear Working Interest Owner:

Ascent Energy, LLC ("Ascent") hereby proposes the drilling, completing and equipping the Anvil Fed Com #601H (the "Well") to test the Bone Spring formation at a total vertical depth of 8,760' and a total measured depth of 18,925' ("Operation"). The estimated cost associated with the Operation is \$8,301,917, as outlined in the enclosed Authority for Expenditure dated June 6, 2018. Ascent's records indicate that EOG Y Resources, Inc. ("EOG") owns a 3.49% working interest in the Well, and EOG's estimated costs associated with this Operation is approximately \$289,736.

The proposed surface location of the Well is 210' FNL & 925' FEL of Section 4, Township 21 South, Range 29 East with a proposed bottom hole location 330' FNL & 993' FWL of Section 28 Township 20 South, Range 30 East. Ascent reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. Ascent will advise you of any such modifications.

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

- Contract Area:  
Township 20 South, Range 30 East  
Section 33: W2W2  
Section 28: W2W2
- Ascent named as Operator
- 100%/300%/300% non-consent penalties
- \$7,000.00/\$700.00 drilling and producing overhead rates



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

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

Very Truly Yours,



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

Enclosure(s): Anvil Fed Com #601H AFE  
Draft 2015 Horizontal AAPL Form 610 Operating Agreement (email only)

\_\_\_\_ EOGY Resources, Inc. hereby elects to participate in the proposed Operation by paying its proportionate share of the costs outlined on the Anvil Fed Com #601H AFE.

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

Working Interest Owner:

EOGY Resources, Inc.

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

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

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



July 30, 2018

EOG Y Resources, Inc.  
105 S. 4<sup>th</sup> Street  
Artesia, NM 88210  
Attn: Land Department

RE: Anvil FedCom #701H  
T20S-R30E  
Sec. 33: W2W2  
Sec. 28: W2W2  
320 Gross Acres, more or less  
Eddy County, New Mexico

Dear Working Interest Owner:

Ascent Energy, LLC ("Ascent") hereby proposes the drilling, completing, and equipping the Anvil Fed Com #701H (the "Well") to test the Wolfcamp formation at a total vertical depth of 10,000' and a total measured depth of 20,200' ("Operation"). The estimated cost associated with the Operation is \$8,624,371, as outlined in the enclosed Authority for Expenditure dated June 6, 2018. Ascent's records indicate that EOG Y Resources, Inc. ("EOG") owns a 3.49% working interest in the Well, and EOG's estimated costs associated with this Operation is approximately \$300,990.

The proposed surface location of the Well is 210' FNL & 955' FEL of Section 4, Township 21 South, Range 29 East with a proposed bottom hole location 330' FNL & 340' FWL of Section 28 Township 20 South, Range 30 East. Ascent reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. Ascent will advise you of any such modifications.

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

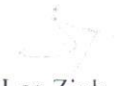
- Contract Area:  
Township 20 South, Range 30 East  
Section 33: W2W2  
Section 28: W2W2
- Ascent named as Operator
- 100%/300%/300% non-consent penalties
- \$7,000.00/\$700.00 drilling and producing overhead rates



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

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

Very Truly Yours,

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

Enclosure(s): Anvil Fed Com #701H AFE  
Draft 2015 Horizontal AAPL Form 610 Operating Agreement (email only)

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

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

Working Interest Owner:

EOGY Resources, Inc.

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

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

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



July 30, 2018

EOG Y Resources, Inc.  
105 S. 4<sup>th</sup> Street  
Artesia, NM 88210  
Attn: Land Department

RE: Anvil FedCom #702H  
T20S-R30E  
Sec. 33: W2W2  
Sec. 28: W2W2  
320 Gross Acres, more or less  
Eddy County, New Mexico

Dear Working Interest Owner:

Ascent Energy, LLC ("Ascent") hereby proposes the drilling, completing, and equipping the Anvil Fed Com #702H (the "Well") to test the Wolfcamp formation at a total vertical depth of 10,200' and a total measured depth of 20,400' ("Operation"). The estimated cost associated with the Operation is \$8,650,756, as outlined in the enclosed Authority for Expenditure dated June 6, 2018. Ascent's records indicate that EOGY Resources, Inc. ("EOG") owns a 3.49% working interest in the Well, and EOG's estimated costs associated with this Operation is approximately \$301,911.

The proposed surface location of the Well is 210' FNL & 895' FEL of Section 4, Township 21 South, Range 29 East with a proposed bottom hole location 330' FNL & 993' FWL of Section 28 Township 20 South, Range 30 East. Ascent reserves the right to modify the locations and drilling plans described above in order to address topography, cultural or environmental concerns, among other reasons. Ascent will advise you of any such modifications.

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

- Contract Area:  
Township 20 South, Range 30 East  
Section 33: W2W2  
Section 28: W2W2
- Ascent named as Operator
- 100%/300%/300% non-consent penalties
- \$7,000.00/\$700.00 drilling and producing overhead rates



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

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

Very Truly Yours,

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

Enclosure(s): Anvil Fed Com #702H AFE  
Draft 2015 Horizontal AAPL Form 610 Operating Agreement (email only)

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

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

Working Interest Owner:

EOGY Resources, Inc.

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

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

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

- March 13, 2018, Ascent Proposed the Anvil DA
- 4/3/2018, Apache request for Collaboration
- 5/14/2018, Apache send over 8 C-102s for Taco 29 State wells, include Section 28: W2NW, 1.25 mile wells
- 5/23/2018, Apache formally Protests Anvil DA, so they can drill 1.75 mile wells
- 10/29/2018, Apache send out DA Notification of Taco 28-30, 2.5 mile wells





April 3, 2018

Sent Certified Mail

Bureau of Land Management  
Attn: Jim Rutley  
620 East Green St.  
Carlsbad, NM 88220

Re: Request for Collaboration on Anvil Development Area  
Township 20 South, Range 30 East  
Eddy County, New Mexico

Dear Mr. Rutley:

Apache received notice of Ascent Energy's proposal in the Anvil Development Area, Township 20 South, Range 30 East, of Eddy County, New Mexico. Apache currently operates the Golden Lane 29 State #1Y (API 30-015-34295) that begins in Section 28-20S-30E and produces from the Morrow formation in Section 29-20S-30E.

Apache plans to further develop its Bone Spring rights in Section 29-20S-30E subject to permitting and surface location approval from the BLM. We are scheduled for an on-site with the BLM on April 23<sup>rd</sup> to establish if the existing well pad can be enlarged. According to email correspondence with the BLM, Apache should be able to develop its acreage in the area.

Please allow this letter to serve as an official request for collaboration between the BLM, Ascent, and Apache to develop acreage in the area. I've attached Ascent's map with Apache's planned wells in green, subject to BLM approval. The wells we propose would begin on the existing pad and extend across the NW/4 of Section 28-20S-30E and into the N/2 of Section 29-20S-30E. The producing interval would be solely in Section 29-20S-30E. Apache will know more after the on-site on April 23<sup>rd</sup>, and we would like to begin conversations now for mutually beneficial solutions.

Sincerely,

**APACHE CORPORATION**



Laci Stretcher  
Landman  
[Laci.Stretcher@apachecorp.com](mailto:Laci.Stretcher@apachecorp.com)  
Phone: 432-818-1846

CC: Lee Zink, Ascent Energy

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<br><b>TACO 29 STATE</b>      |  |             | 6 Well Number<br><b>201H</b> |
| 7 GRID NO.      |  | 8 Operator Name<br><b>APACHE CORPORATION</b> |  |             | 9 Elevation<br><b>3355'</b>  |

10 Surface Location

|                           |                      |                        |                     |         |                              |                                  |                              |                               |                       |
|---------------------------|----------------------|------------------------|---------------------|---------|------------------------------|----------------------------------|------------------------------|-------------------------------|-----------------------|
| UL or lot no.<br><b>F</b> | Section<br><b>28</b> | Township<br><b>20S</b> | Range<br><b>30E</b> | Lot Idn | Feet from the<br><b>2327</b> | North/South line<br><b>NORTH</b> | Feet From the<br><b>1620</b> | East/West line<br><b>WEST</b> | County<br><b>EDDY</b> |
|---------------------------|----------------------|------------------------|---------------------|---------|------------------------------|----------------------------------|------------------------------|-------------------------------|-----------------------|

11 Bottom Hole Location If Different From Surface

|                           |                      |                        |                     |         |                              |                                  |                             |                               |                       |
|---------------------------|----------------------|------------------------|---------------------|---------|------------------------------|----------------------------------|-----------------------------|-------------------------------|-----------------------|
| UL or lot no.<br><b>E</b> | Section<br><b>29</b> | Township<br><b>20S</b> | Range<br><b>30E</b> | Lot Idn | Feet from the<br><b>1930</b> | North/South line<br><b>NORTH</b> | Feet from the<br><b>100</b> | East/West line<br><b>WEST</b> | County<br><b>EDDY</b> |
|---------------------------|----------------------|------------------------|---------------------|---------|------------------------------|----------------------------------|-----------------------------|-------------------------------|-----------------------|

|                    |                    |                       |              |
|--------------------|--------------------|-----------------------|--------------|
| 12 Dedicated Acres | 13 Joint or Infill | 14 Consolidation Code | 15 Order No. |
|--------------------|--------------------|-----------------------|--------------|

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <p>16</p> <p><b>GEODETIC DATA</b><br/>NAD 83 GRID - NM EAST<br/><b>SURFACE LOCATION (SL)</b><br/>N 562260.9 - E 650056.5<br/>LAT: 32.5452176° N<br/>LONG: 103.9805105° W<br/><b>FIRST TAKE POINT (FTP)</b><br/>N 562664.6 - E 648335.1<br/>LAT: 32.5463428° N<br/>LONG: 103.9860926° W<br/><b>LAST TAKE POINT (LTP)</b><br/>N 562632.5 - E 643252.7<br/>LAT: 32.5462990° N<br/>LONG: 104.0025867° W<br/><b>BOTTOM HOLE (BH)</b><br/>N 562632.2 - E 643202.7<br/>LAT: 32.5462987° N<br/>LONG: 104.0027489° W</p> |  | <p><b>CORNER DATA</b><br/>NAD 83 GRID - NM EAST<br/>A: FOUND BRASS CAP "1943"<br/>N 559282.1 - E 643169.6<br/>B: FOUND BRASS CAP "1943"<br/>N 561918.6 - E 643156.2<br/>C: FOUND BRASS CAP "1943"<br/>N 564561.5 - E 643143.3<br/>D: FOUND BRASS CAP "1943"<br/>N 564575.7 - E 645785.1<br/>E: FOUND BRASS CAP "1943"<br/>N 564594.9 - E 648426.6<br/>F: FOUND BRASS CAP "1943"<br/>N 564582.6 - E 651074.6<br/>G: FOUND BRASS CAP "1943"<br/>N 564571.7 - E 653723.7</p> |  | <p>H: FOUND BRASS CAP "1943"<br/>N 561931.6 - E 653736.6<br/>I: FOUND BRASS CAP "1943"<br/>N 559296.7 - E 653747.1<br/>J: FOUND BRASS CAP "1943"<br/>N 559300.5 - E 651103.6<br/>K: FOUND BRASS CAP "1943"<br/>N 559300.7 - E 648450.5<br/>L: FOUND BRASS CAP "1943"<br/>N 559290.7 - E 645810.1<br/>M: FOUND BRASS CAP "1943"<br/>N 561946.7 - E 648438.3</p> <p><b>CALCULATED POINTS</b><br/>1: N 563240.0 - E 643149.8<br/>2: N 563270.8 - E 648432.4<br/>3: N 563261.2 - E 651081.8<br/>4: N 561939.1 - E 651089.1</p> |  | <p><b>17 OPERATOR CERTIFICATION</b><br/>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p> |  |
| <p><b>18 SURVEYOR CERTIFICATION</b><br/>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><b>4-23-2018</b><br/>Date of Survey</p> <p>Signature and Seal of Professional Surveyor _____</p> <p><b>10034</b><br/>Certificate Number</p>                                                                                                        |  | <p><b>DETAIL "A"</b><br/>3341.2' 655' 3344.0'<br/>600'<br/>S.L.<br/>N.T.S. 3361.6</p>                                                                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |

Job No.: LS1804546



May 23, 2018

Sent Certified Mail and Electronic Mail

Bureau of Land Management  
Attn: Jim Rutley  
620 East Green St.  
Carlsbad, NM 88220

Re: **Formal Protest of Anvil Development Area**  
Township 20 South, Range 30 East  
Eddy County, New Mexico

Dear Mr. Rutley:

Apache received notice of Ascent Energy's ("Ascent") proposal in the Anvil Development Area, Township 20 South, Range 30 East, of Eddy County, New Mexico. Apache currently operates the Golden Lane 29 State #1Y (API 30-015-34295) that begins in Section 28-20S-30E and produces from the Morrow formation in Section 29-20S-30E.

Apache plans to further develop its Bone Spring rights in Section 29-20S-30E subject to permitting and surface location approval from the BLM. We successfully staked 8 well pad locations on April 23<sup>rd</sup> with the BLM. Apache originally requested collaboration with Ascent on April 3, 2018, so that we could discuss mutual development in the area. As part of those efforts, Apache sent over all C-102s related to its staked Taco 29 wells on Monday 14, 2018. Ascent promised to send over C-102s, but nothing has been provided as of today's date.

After reviewing the perpendicular plans by Apache and Ascent, our drilling engineer concluded that the projects, specifically in the W/2NW/4 of Sec. 28-20S-30E, pose a significant collision possibility. Ascent's proposed wells would be nearing the end of the lateral, and well location certainty will be reduced. Even if Apache wanted to steer around Ascent's wells, the possibility of collision is too great of a risk for mutual development.

In the spirit of collaboration, Apache sent an email to Lee Zink with Ascent on Friday, May 18, 2018, requesting that Apache produce and operate the W/2NW/4 of Sec. 28-20S-30E as part of its Taco 29 wells. Ascent would drill 1.5 mile laterals in the W/2W/2 of Sections 33 and 28-20S-30E, and its originally planned 2 mile laterals in the E/2W/2 of Sections 33 and 28-20S-30E. Apache would drill 1.25 mile laterals from its approved drill island going west into Section 29-20S-30E, and both operators could be assured of a safe and efficient drilling program that produces federal and state minerals in an otherwise difficult area for development. This plan would also protect Ascent from any potential risk in drilling through an area with Apache's producing Golden Lane well.

Apache's email to Ascent included several options for the operator, including participation in the 1.25 mile Taco 28/29 wells, trade possibilities, and potential for an outright acquisition of the

acreage. Ascent responded back with a no to Apache's alternative drilling plan and rejected any possibility of collaboration.

Apache learned this week that Ascent is marketing its acreage in the area via a firm called Petrie Partners out of Denver. The marketing materials include the leasehold currently at issue. We believe Ascent's marketing efforts will undermine any collaboration with Apache that may have otherwise been possible with an operator who intended on drilling the acreage themselves. Why would Ascent worry about collision issues if they will not drill the acreage? Why would they wish to divest of any acreage to Apache that has already been included in their divestiture package to prospective buyers?

Ascent provided a potential buyout of Apache's acreage in the area, but at this time Apache is interested in developing its leasehold. Our team is even considering the addition of the NE/4 of Sec. 30-20S-30E to the Taco wells so that Oxy, the majority working interest owner in the tract, could produce its leasehold in an otherwise inaccessible location. We feel that our proposed solution will allow for the prevention of waste and the successful development of Apache, Ascent, Oxy, and other leasehold owner acreage.

Please allow this letter to serve as an official protest of the Anvil Development Area for the reasons listed above. We request a 60 day extension to further negotiate with Ascent and the BLM. Please see the attached map indicating the current dilemma and Apache's proposed solution.

Sincerely,

**APACHE CORPORATION**



Laci Stretcher

Landman

[Laci.Stretcher@apachecorp.com](mailto:Laci.Stretcher@apachecorp.com)

Phone: 432-818-1846

CC: Lee Zink, Ascent Energy



October 29, 2018

TO: Affected Parties of the  
TACO 28-30 Federal Com  
(see attached address list)

*Sent Certified Mail*

Re: **Designation of the Taco 28-30 Federal Drill Island**  
Section 28-T20S-R30E, NMPM  
Eddy County, New Mexico

To Whom It May Concern:

Apache Corporation ("Apache") has proposed a Development Area that a portion of which falls within the Secretary's Potash Area in the above described lands that may affect your leasehold and/or surface estate/permit. Please see the enclosed map for the location of the BLM proposed Taco 28-30 Federal Drill Island, Apache's proposed Development Area, and Apache's initial development wells.

This letter serves as notice of the proposed action. You have thirty (30) calendar days from receipt of this letter to contact the BLM if you would like to express interest in collaborating with the proposal or protesting the proposal. If you would like to collaborate with or protest the establishment of the Taco 28-30 Federal Development Area, please respond to James Rutley ([jrutley@blm.gov](mailto:jrutley@blm.gov)) at the BLM, Carlsbad Field Office, 620 E. Greene Street, Carlsbad, NM 88220.

Please be aware that once a Development Area has been established it could affect your operating rights. Therefore, your timely participation in this process is required. If you have any questions or concerns please contact me at (432) 818-1808 or [rodney.reeder@apachecorp.com](mailto:rodney.reeder@apachecorp.com).

Respectfully,



Rodney Reeder  
Landman  
Apache Corporation – Permian Region

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

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

**Case No. 16481**

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

**Case No. 16482**

**SELF-AFFIRMED STATEMENT OF NOTICE**

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

James Bruce deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am an attorney for Ascent Energy, LLC.
3. Ascent Energy, LLC has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the application filed herein.
4. Notice of the application was provided to the interest owners, at their last known addresses, by certified mail. Copies of the notice letter and certified return receipts are attached hereto as Attachment A.
5. Ascent Energy, LLC has complied with the notice provisions of Division Rules.
6. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 5 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Date:

August 20, 2019

James Bruce

James Bruce

EXHIBIT

**B**



**JAMES BRUCE**  
ATTORNEY AT LAW

POST OFFICE BOX 1056  
SANTA FE, NEW MEXICO 87504

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

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

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

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:

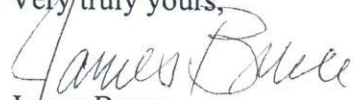
1. Case No. 16481, for three Bone Spring wells in the W/2W/2 of Section 28 and W/2W/2 of Section 33, Township 20 South, Range 30 East, NMPM, Eddy County, New Mexico; and
2. Case No. 16482, for two Wolfcamp wells in the W/2W/2 of Section 28 and W/2W/2 of Section 33, Township 20 South, Range 30 East, NMPM, Eddy 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,

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

James Bruce

Attorney for Ascent Energy, LLC



Exhibit A

Matador Resources Company  
Suite 1500  
5400 LBJ Freeway  
Dallas, Texas 75240

Attention: Kyle Perkins

EOG Y Resources, Inc.  
105 South 4<sup>th</sup> Street  
Artesia, New Mexico 88210

Delmar Lewis Living Trust  
P.O. Box 2546  
Fort Worth, Texas 76113

Lindy's Living Trust  
Suite 302  
2400 South Hulen  
Fort Worth, Texas 76109

Ard Energy Group Ltd.  
P.O. Box 101027  
Fort Worth, Texas 76185

Javelina Partners  
Zorro Partners, Ltd.  
Josephine Hudson Testamentary Trust  
616 Texas Street  
Fort Worth, 76102

Moore & Shelton Company, Ltd.  
P.O. Box 3070  
Galveston, Texas 77552

# 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:

Delmar Lewis Living Trust  
P.O. Box 2546  
Fort Worth, Texas 76113



9590 9402 4079 8092 5931 23

2. Article Number (Transfer from service label)

7018 2290 0001 5021 7054

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

AS-A

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# U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

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

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

Postmark  
Here

Sent To Delmar Lewis Living Trust  
P.O. Box 2546  
Street and Apt. No., or P.O. Box Fort Worth, Texas 76113  
City, State, Zip+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

# COMPLETE THIS SECTION ON DELIVERY

A. Signature XCDJABW ☐ Agent ☐ Addressee  
 B. Received by (Printed Name) CDJABW ☐ Date of Delivery  
 C. Is delivery address different from item 1? ☐ Yes ☒ No  
 If YES, enter delivery address below:

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

PS Form 3800, April 2015 PSN 7530-02-000-9047

AS-A

Domestic Return Receipt

# 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:

Javelina Partners  
Zorro Partners, Ltd.  
Josephine Hudson Testamentary Trust  
616 Texas Street  
Fort Worth, 76102



9590 9402 4079 8092 5930 93

2. Article Number (Transfer from service label)

7018 2290 0001 5021 7030

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

AS-A

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

Postmark  
Here

Sent To Javelina Partners  
Zorro Partners, Ltd.  
Josephine Hudson Testamentary Trust  
616 Texas Street  
Fort Worth, 76102  
Street and Apt. No., or P.O. Box  
City, State, Zip+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

# COMPLETE THIS SECTION ON DELIVERY

A. Signature X ☒ Agent ☐ Addressee  
 B. Received by (Printed Name) Steve Gilbert ☐ Date of Delivery Oct 29 2015  
 C. Is delivery address different from item 1? ☐ Yes ☐ No  
 If YES, enter delivery address below:

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

(over \$500)

AS-A

Domestic Return Receipt



# 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:

Matador Resources Company  
Suite 1500  
5400 LBJ Freeway  
Dallas, Texas 75240



9590 9402 4079 8092 5931 54

2. Article Num

7018 2290 0001 5021 7085

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

# COMPLETE THIS SECTION ON DELIVERY

- A. Signature ☒ Agent ☐ Addressee
- B. Received by (Printed Name) Dennis Maypin C. Date of Delivery 10/26/18
- D. Is delivery address different from item 1? ☐ Yes ☐ No  
If YES, enter delivery address below:

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

Domestic Return Receipt

# U.S. Postal Service™

# CERTIFIED MAIL® RECEIPT

Domestic Mail Only

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

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 \$

Postmark  
Here

Total Postage and Fees

Sent To Matador Resources Company  
Suite 1500  
5400 LBJ Freeway  
Dallas, Texas 75240

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

8202 1205 1000 0622 8702

# U.S. Postal Service™

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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 \$

Postmark  
Here

Postage

Total Postage and Fees

Sent To EOG Y Resources, Inc.  
105 South 4th Street  
Artesia, New Mexico 88210

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

# SENDER: COMPLETE THIS SECTION

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

EOG Y Resources, Inc.  
105 South 4th Street  
Artesia, New Mexico 88210



9590 9402 4079 8092 5931 47

2. Article Num

7018 2290 0001 5021 7078

(over \$500)

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

# COMPLETE THIS SECTION ON DELIVERY

- A. Signature Dennis Maypin ☒ Agent ☐ Addressee
- B. Received by (Printed Name) Dennis Maypin C. Date of Delivery 10/26/18
- D. Is delivery address different from item 1? ☐ Yes ☐ No  
If YES, enter delivery address below:

3. Service Type
- ☐ Adult Signature
  - ☐ Adult Signature Restricted Delivery
  - ☐ Certified Mail®
  - ☐ Certified Mail Restricted Delivery
  - ☐ Collect on Delivery
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  - ☐ Return Receipt for Merchandise
  - ☐ Signature Confirmation™
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Domestic Return Receipt

5021 7085 1205 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:

Ard Energy Group Ltd.  
P.O. Box 101027  
Fort Worth, Texas 76185



9590 9402 4079 8092 5931 30

2. Article No.

7018 2290 0001 5021 7047

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

As-A

Domestic Return Receipt

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature ☒ Agent ☐ Addressee
- B. Received by (Printed Name) Donne Shelton C. Date of Delivery 10/29/18
- 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®
  - ☐ Certified Mail Restricted Delivery
  - ☐ Return Receipt for Merchandise
  - ☐ Collect on Delivery
  - ☐ Collect on Delivery Restricted Delivery
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Delivery

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- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postmark  
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Total Postage and Fees

Sent To  
Ard Energy Group Ltd.  
P.O. Box 101027  
Fort Worth, Texas 76185

Street and Apt. No., or P.O. Box No.

City, State, Zip+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

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- 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:

Moore & Shelton Company, Ltd.  
P.O. Box 3070  
Galveston, Texas 77552



9590 9402 4079 8092 5931 09

2. Article No.

7018 2290 0001 5021 7023

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

As-A

Domestic Return Receipt

**COMPLETE THIS SECTION ON DELIVERY**

- A. Signature ☒ Agent ☐ Addressee
- B. Received by (Printed Name) Donne Shelton C. Date of Delivery 10/29
- D. Is delivery address different from item 1? ☐ Yes ☐ No  
If YES, enter delivery address below:

3070

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

7023

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

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- ☐ Return Receipt (hardcopy) \$
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- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postage

Total Postage and Fees

Sent To  
Moore & Shelton Company, Ltd.  
P.O. Box 3070  
Galveston, Texas 77552

Street and Apt. No., or P.O. Box No.

City, State, Zip+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

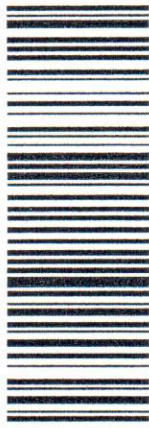
Postmark  
Here



James Bruce  
P.O. Box 1056  
Santa Fe, New Mexico 87504

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT  
OF THE RETURN ADDRESS. FOLD AT DOTTED LINE

**CERTIFIED MAIL®**



7018 2290 0001 5021 7061

NAME  
1st Notice  
2nd Notice  
Return

NSN

87504>1056

Lindy's Living Trust  
Suite 302  
2400 South Hulén  
Fort Worth, Texas 76109

\$6.91<sup>0</sup>  
US POSTAGE  
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Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$  
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☐ Certified Mail Restricted Delivery \$  
☐ Adult Signature Required \$  
☐ Adult Signature Restricted Delivery \$

Postage

Total Postage and Fees

Sent To  
Lindy's Living Trust  
Suite 302

Street and Apt. No., or P.O. Box  
2400 South Hulén  
Fort Worth, Texas 76109

City, State, Zip+4®

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

7018 2290 0001 5021 7061

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**AFFIDAVIT OF PUBLICATION**

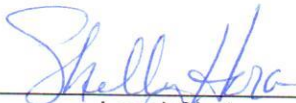
**Ad No.**  
**0001272531**

JAMES BRUCE ATTORNEY AT LAW  
PO BOX 1056

SANTA FE NM 87504

I, a legal clerk of the **Carlsbad Current-Argus**, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

12/27/18

  
\_\_\_\_\_  
Legal Clerk

Subscribed and sworn before me this  
27th of December 2018.

  
\_\_\_\_\_  
State of WI, County of Brown  
NOTARY PUBLIC

11/9/22  
\_\_\_\_\_  
My Commission Expires

**NOTICE**

To: Lindy's Living Trust, or your successors or assigns: Ascent Energy, LLC has filed the following applications with the New Mexico Oil Conservation Division:

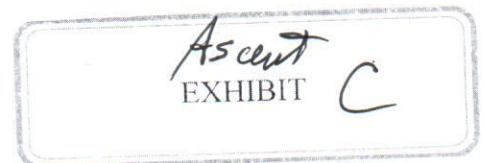
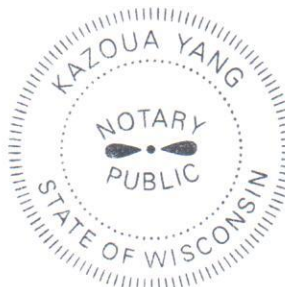
Case No. 16481: Ascent Energy, LLC seeks an order pooling all mineral interests in the Bone Spring formation underlying a 320-acre horizontal spacing unit in the Bone Spring formation comprised of the W/2W/2 of Section 28 and the W/2W/2 of Section 33, Township 20 South, Range 30 East, NMPM. The unit will be dedicated to the Anvil Fed. Com. Well No. 401H, Anvil Fed. Com. Well No. 501H, and Anvil Fed. Com. Well No. 601H, horizontal Bone Spring wells with first take points in the SW/4SW/4 of Section 33 and final take points in the NW/4NW/4 of Section 28.

Case No. 16482: 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/2W/2 of Section 28 and the W/2W/2 of Section 33, Township 20 South, Range 30 East, NMPM. The unit will be dedicated to the Anvil Fed. Com. Well No. 701H and Anvil Fed. Com. Well No. 702H, horizontal Wolfcamp wells with first take points in the SW/4SW/4 of Section 33 and final take points in the NW/4NW/4 of Section 28.

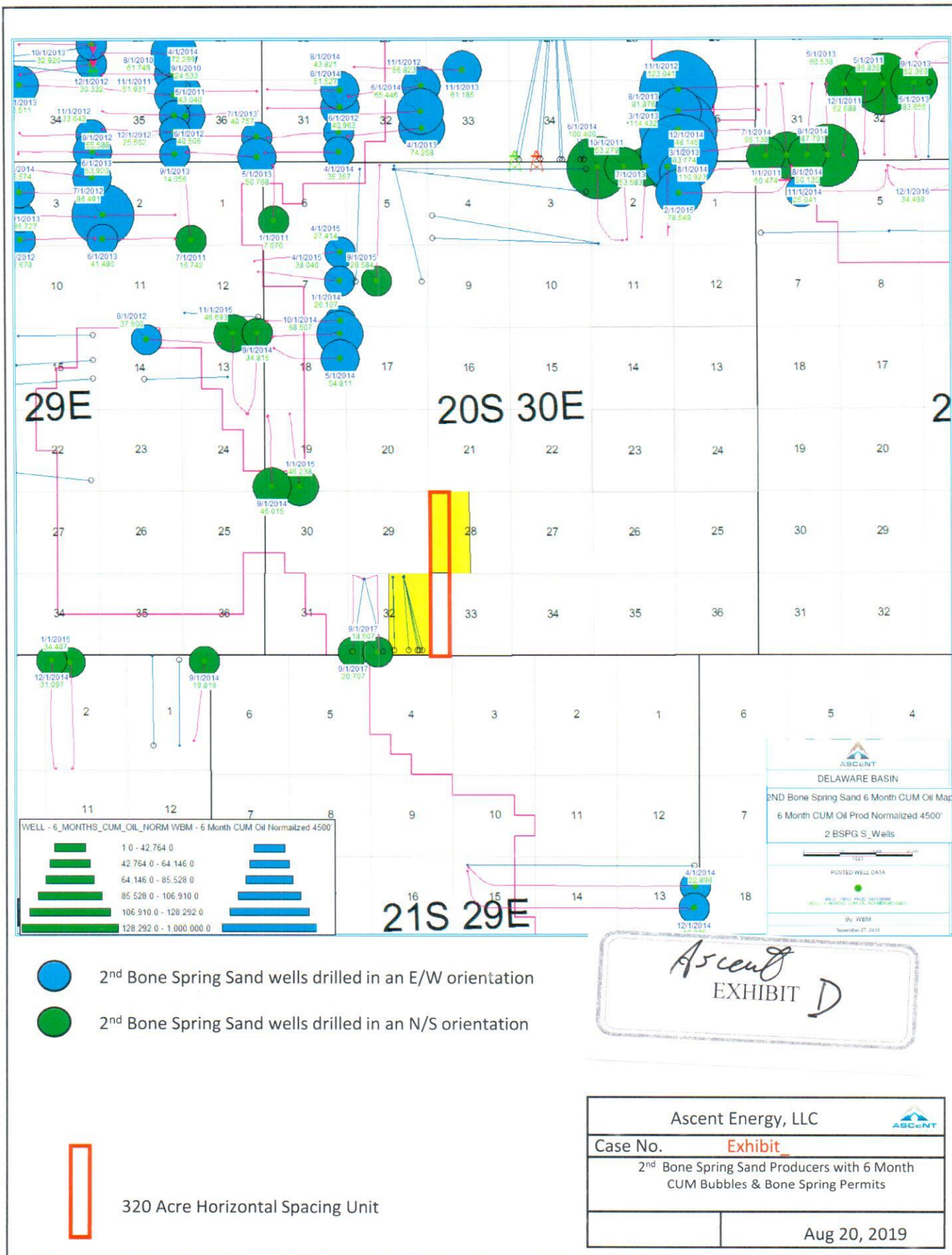
Also to be considered will be the cost of drilling and completing the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a 200% charge for the risk involved in drilling and completing the wells. The applications are scheduled to be heard at 8:15 a.m. on Thursday, January 10, 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 unit is located approximately 16-1/2 miles northeast of Carlsbad, New Mexico.

December 27, 2018

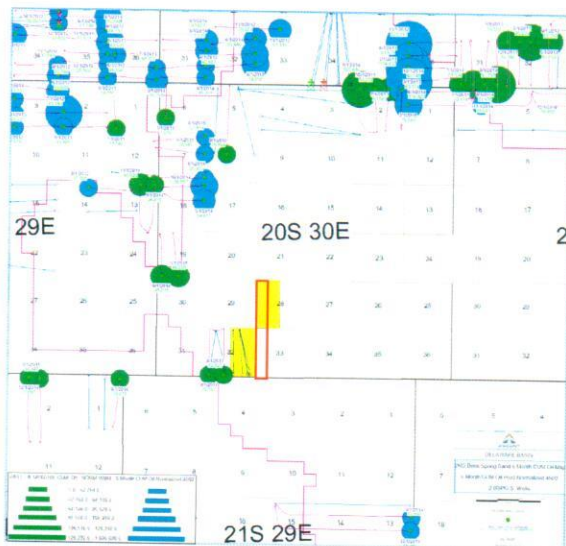
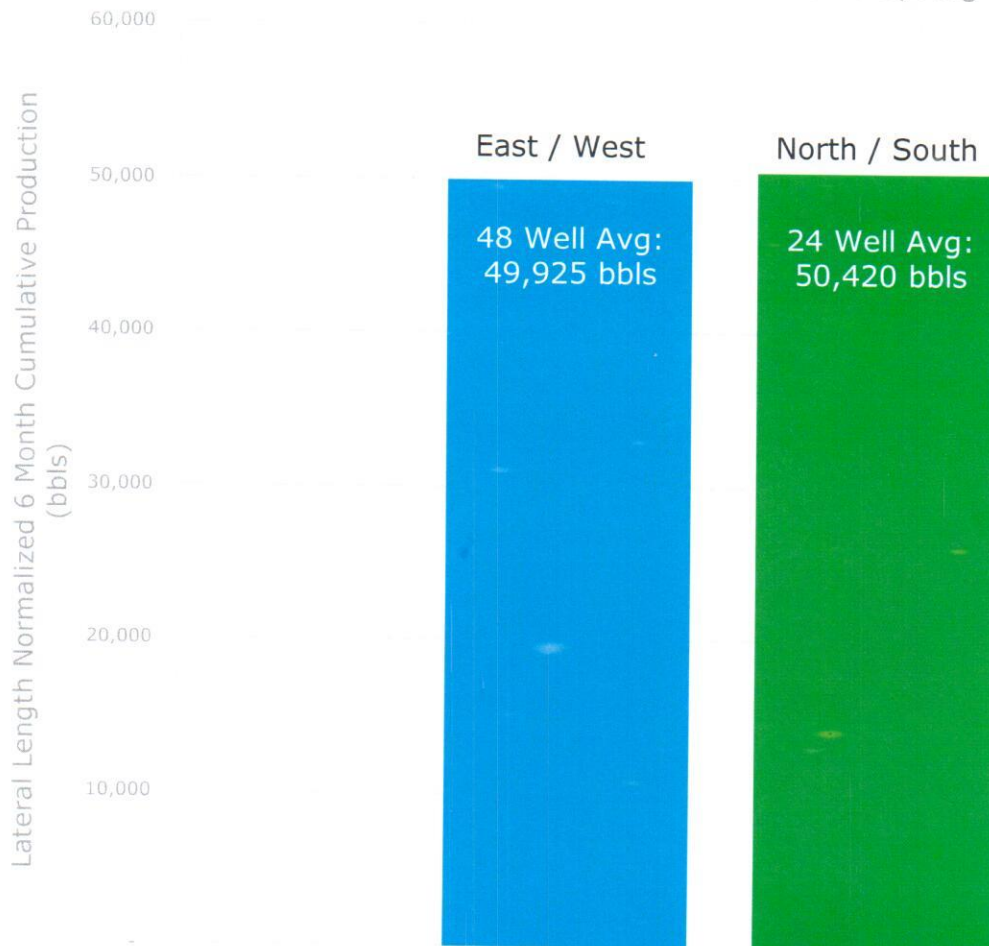
Ad#:0001272531  
P O : Case No. 16481, etc.  
# of Affidavits :0.00







# 72 Well Cumulative Oil Production Comparison of East/West vs North/South Orientation in 2<sup>nd</sup> Bone Spring



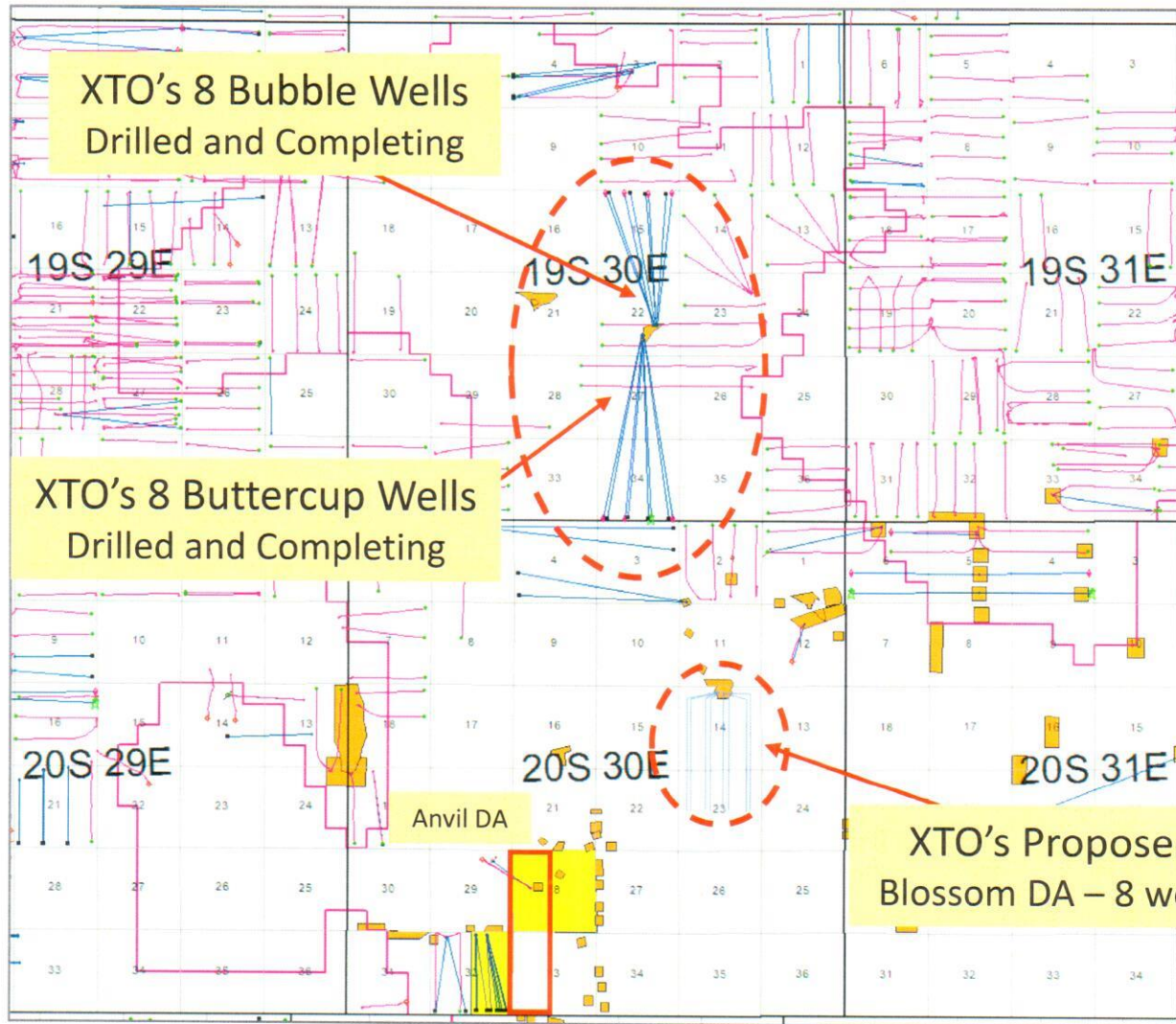
Analysis Area

*Statistically insignificant 1% variation between East/West versus North/South orientation.*

|                                                                                           |              |
|-------------------------------------------------------------------------------------------|--------------|
| Ascent Energy, LLC                                                                        |              |
| Case No.                                                                                  | Exhibit      |
| 2 <sup>nd</sup> Bone Spring Sand Producers with 6 Month CUM Bubbles & Bone Spring Permits |              |
|                                                                                           | Aug 20, 2019 |



# Offset Drilled and Proposed Wells



|                                             |                |
|---------------------------------------------|----------------|
| Ascent Energy, LLC                          |                |
| Case No.                                    | <b>Exhibit</b> |
| Drilled and Proposed Wells Offsetting Anvil |                |
| Aug 20, 2019                                |                |



| Offset 2nd Bone Spring Sand Production Table |                                      |                          |          |       |         |            |            |                                           |                                           |                                             |                    |            |
|----------------------------------------------|--------------------------------------|--------------------------|----------|-------|---------|------------|------------|-------------------------------------------|-------------------------------------------|---------------------------------------------|--------------------|------------|
| UWI (APINum)                                 | Operator                             | Well Label               | Township | Range | Section | SPUD DATE  | COMP DATE  | Normalized<br>4500'<br>6 MONTH<br>CUM OIL | Normalized<br>4500'<br>6 MONTH<br>CUM GAS | Normalized<br>4500'<br>6 MONTH<br>CUM WATER | LATERAL<br>AZIMUTH | HOR_ZONE   |
| 30015378500000                               | MEWBOURNE OIL COMPANY                | PARKWAY 26 STATE COM 4H  | 19S      | 29E   | 26      | 6/3/2010   | 9/3/2010   | 61,749                                    | 100,510                                   | 26,273                                      | E/W                | 2ND BSPG S |
| 30015378600000                               | MEWBOURNE OIL COMPANY                | THREE PALMS 36 STATE 1H  | 19S      | 29E   | 36      | 7/18/2010  | 10/4/2010  | 24,533                                    | 32,458                                    | 22,590                                      | E/W                | 2ND BSPG S |
| 30015384200000                               | MEWBOURNE OIL COMPANY                | THREE PALMS 36' STA 2H   | 19S      | 29E   | 36      | 3/31/2011  | 6/8/2011   | 43,040                                    | 106,445                                   | 72,137                                      | E/W                | 2ND BSPG S |
| 30015391880000                               | MEWBOURNE OIL COMPANY                | FOUR PEAKS '35' FEDE 1H  | 19S      | 29E   | 35      | 9/19/2011  | 11/26/2011 | 51,931                                    | 124,870                                   | 58,815                                      | E/W                | 2ND BSPG S |
| 30015398200000                               | MEWBOURNE OIL COMPANY                | SHARPS '3' FEDERAL C 2H  | 20S      | 29E   | 3       | 2/26/2012  | 5/29/2012  | 32,678                                    | 52,325                                    | 81,172                                      | E/W                | 2ND BSPG S |
| 30015394200000                               | MEWBOURNE OIL COMPANY                | FOUR PEAKS '35' FEDE 2H  | 19S      | 29E   | 35      | 4/15/2012  | 6/12/2012  | 40,506                                    | 67,476                                    | 56,761                                      | E/W                | 2ND BSPG S |
| 30015395110000                               | EDGY RESOURCES INC                   | HANAGAN APL FEDERA 2H    | 19S      | 30E   | 31      | 3/7/2012   | 6/14/2012  | 40,963                                    | 33,973                                    | 58,976                                      | E/W                | 2ND BSPG S |
| 30015385750000                               | EDGY RESOURCES INC                   | ANTHILL AAK STATE CO 2H  | 20S      | 29E   | 2       | 4/19/2012  | 7/15/2012  | 86,491                                    | 171,703                                   | 89,200                                      | E/W                | 2ND BSPG S |
| 30015397860000                               | COLGATE OPERATING LLC                | OSAGE 34 FEDERAL 4H      | 19S      | 29E   | 34      | 5/11/2012  | 8/12/2012  | 55,588                                    | 126,897                                   | 88,142                                      | E/W                | 2ND BSPG S |
| 30015404040000                               | EDGY RESOURCES INC                   | ZIA 'AHZ' FEDERAL CO 2H  | 20S      | 29E   | 13      | 6/18/2012  | 8/13/2012  | 37,600                                    | 86,693                                    | 185,513                                     | E/W                | 2ND BSPG S |
| 30015397850100                               | COLGATE OPERATING LLC                | OSAGE 34 FEDERAL 3H      | 19S      | 29E   | 34      | 8/25/2012  | 11/9/2012  | 33,643                                    | 72,286                                    | 20,664                                      | E/W                | 2ND BSPG S |
| 30015402530000                               | COG OPERATING LIMITED LIABILITY CORP | SALADA VISTA 36 STAT 2H  | 19S      | 31E   | 31      | 7/27/2012  | 11/14/2012 | 123,041                                   | 265,211                                   | 129,707                                     | E/W                | 2ND BSPG S |
| 30015402160000                               | DEVON ENERGY PRODUCTION COMPANY L P  | TURQUOISE PWU 27 4H      | 19S      | 29E   | 27      | 7/24/2012  | 11/18/2012 | 30,332                                    | 97,049                                    | 28,699                                      | 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 | 56,823                                    | 94,899                                    | 146,615                                     | E/W                | 2ND BSPG S |
| 30015407340000                               | COLGATE OPERATING LLC                | PARKWAY '35' FEDERAL 3H  | 19S      | 29E   | 35      | 9/28/2012  | 12/27/2012 | 25,502                                    | 53,367                                    | 45,694                                      | E/W                | 2ND BSPG S |
| 30015410280000                               | COG OPERATING LIMITED LIABILITY CORP | SHOELESS JOE 32 STAT 3H  | 19S      | 30E   | 32      | 2/11/2013  | 4/10/2013  | 74,258                                    | 132,459                                   | 111,327                                     | 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  | 114,432                                   | 137,674                                   | 80,949                                      | E/W                | 2ND BSPG S |
| 30015406660000                               | MEWBOURNE OIL COMPANY                | SHARPS '3' IL FEDERA 1H  | 20S      | 29E   | 3       | 3/3/2013   | 5/5/2013   | 36,727                                    | 88,700                                    | 80,501                                      | E/W                | 2ND BSPG S |
| 30015392370000                               | COLGATE OPERATING LLC                | PARKWAY '36' STATE 4H    | 19S      | 29E   | 36      | 3/14/2013  | 6/8/2013   | 50,768                                    | 139,148                                   | 101,695                                     | E/W                | 2ND BSPG S |
| 30015407310000                               | EDGY RESOURCES INC                   | ANTHILL AAK STATE CO 4H  | 20S      | 29E   | 2       | 1/12/2013  | 6/30/2013  | 41,480                                    | 112,343                                   | 95,597                                      | E/W                | 2ND BSPG S |
| 30015392360000                               | COLGATE OPERATING LLC                | PARKWAY '36' STATE 3H    | 19S      | 29E   | 36      | 4/22/2013  | 7/25/2013  | 40,757                                    | 105,906                                   | 99,960                                      | E/W                | 2ND BSPG S |
| 30015412520000                               | COLGATE OPERATING LLC                | MERIDIAN FEDERAL COM 2H  | 20S      | 29E   | 3       | 5/6/2013   | 8/21/2013  | 53,920                                    | 104,801                                   | 103,775                                     | E/W                | 2ND BSPG S |
| 30015411570000                               | COG OPERATING LIMITED LIABILITY CORP | SALADA VISTA 36 STAT 3H  | 19S      | 31E   | 31      | 7/4/2013   | 8/26/2013  | 81,876                                    | 123,650                                   | 127,405                                     | E/W                | 2ND BSPG S |
| 30015413770000                               | COLGATE OPERATING LLC                | PARKWAY 35 FEDERAL C 5H  | 19S      | 29E   | 34      | 6/23/2013  | 9/14/2013  | 14,056                                    | 79,161                                    | 83,538                                      | E/W                | 2ND BSPG S |
| 30015403330100                               | DEVON ENERGY PRODUCTION COMPANY L P  | BELLATRIX '28' FEDER 3H  | 19S      | 31E   | 29      | 5/18/2013  | 9/22/2013  | 52,369                                    | 60,210                                    | 112,521                                     | E/W                | 2ND BSPG S |
| 30015403340000                               | DEVON ENERGY PRODUCTION COMPANY L P  | BELLATRIX '28' FEDER 4H  | 19S      | 31E   | 29      | 6/6/2013   | 10/4/2013  | 60,931                                    | 72,760                                    | 161,103                                     | E/W                | 2ND BSPG S |
| 30015405010000                               | DEVON ENERGY PRODUCTION COMPANY L P  | TURQUOISE PWU 27 3H      | 19S      | 29E   | 27      | 8/8/2013   | 10/24/2013 | 32,920                                    | 65,037                                    | 33,209                                      | E/W                | 2ND BSPG S |
| 30015404260000                               | EDGY RESOURCES INC                   | ANTWEIL 'ANU' FEDERA 4H  | 19S      | 30E   | 29      | 6/30/2013  | 11/7/2013  | 61,185                                    | 105,675                                   | 95,731                                      | E/W                | 2ND BSPG S |
| 30015415080000                               | COLGATE OPERATING LLC                | OSAGE '34' FEDERAL 1H    | 19S      | 29E   | 34      | 7/22/2013  | 12/21/2013 | 46,511                                    | 153,085                                   | 59,089                                      | E/W                | 2ND BSPG S |
| 30015414220000                               | MEWBOURNE OIL COMPANY                | TWO MESAS '7' MP FED 1H  | 20S      | 30E   | 7       | 10/31/2013 | 2/20/2014  | 26,107                                    | 64,273                                    | 159,488                                     | E/W                | 2ND BSPG S |
| 30015417490000                               | MEWBOURNE OIL COMPANY                | SHARPS 3 HE FEDERAL 1H   | 20S      | 29E   | 3       | 1/1/2014   | 3/15/2014  | 35,574                                    | 83,436                                    | 66,549                                      | E/W                | 2ND BSPG S |
| 30015398010000                               | EDGY RESOURCES INC                   | HANAGAN APL FEDERA 3H    | 19S      | 30E   | 31      | 1/9/2014   | 4/14/2014  | 35,357                                    | 80,024                                    | 91,735                                      | E/W                | 2ND BSPG S |
| 30015384600000                               | MEWBOURNE OIL COMPANY                | PARKWAY '26' STATE C 5H  | 19S      | 29E   | 26      | 3/19/2014  | 4/29/2014  | 72,299                                    | 230,777                                   | 51,557                                      | E/W                | 2ND BSPG S |
| 30015417980000                               | BOPCO LIMITED PARTNERSHIP            | BIG EDDY UNIT D128 254H  | 21S      | 29E   | 15      | 12/15/2013 | 5/12/2014  | 22,898                                    | 50,251                                    | 45,053                                      | E/W                | 2ND BSPG S |
| 30015419380000                               | COG OPERATING LIMITED LIABILITY CORP | COINFLIP STATE COM 3H    | 20S      | 30E   | 18      | 3/3/2014   | 6/1/2014   | 54,811                                    | 114,617                                   | 214,938                                     | 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  | 65,446                                    | 122,469                                   | 149,035                                     | E/W                | 2ND BSPG S |
| 30015418300000                               | COG OPERATING LIMITED LIABILITY CORP | SALADA VISTA 36 STAT 5H  | 19S      | 31E   | 31      | 5/3/2014   | 8/23/2014  | 110,923                                   | 200,630                                   | 154,336                                     | E/W                | 2ND BSPG S |
| 30015392410000                               | EDGY RESOURCES INC                   | NUCLEUS BGN FEDERAL 001H | 19S      | 30E   | 31      | 4/8/2014   | 9/2/2014   | 51,527                                    | 81,649                                    | 126,531                                     | E/W                | 2ND BSPG S |
| 30015394210000                               | EDGY RESOURCES INC                   | FOCUS 'BDB' FEDERAL 1H   | 19S      | 30E   | 31      | 5/7/2014   | 9/8/2014   | 43,821                                    | 117,895                                   | 112,690                                     | E/W                | 2ND BSPG S |
| 30015419370000                               | COG OPERATING LIMITED LIABILITY CORP | COINFLIP STATE COM 2H    | 20S      | 30E   | 18      | 2/6/2014   | 10/22/2014 | 68,507                                    | 194,319                                   | 189,510                                     | E/W                | 2ND BSPG S |
| 30015424790000                               | BOPCO LIMITED PARTNERSHIP            | BIG EDDY UNIT D14 270H   | 20S      | 31E   | 5       | 7/10/2014  | 11/9/2014  | 25,041                                    | 33,160                                    | 97,318                                      | E/W                | 2ND BSPG S |
| 30015425680000                               | BOPCO LIMITED PARTNERSHIP            | BIG EDDY UNIT D128 277H  | 21S      | 29E   | 15      | 8/16/2014  | 1/7/2015   | 18,895                                    | 50,941                                    | 41,182                                      | E/W                | 2ND BSPG S |
| 30015427050000                               | BOPCO LIMITED PARTNERSHIP            | HASTA LA VISTA 1 DI 2Y   | 20S      | 31E   | 6       | 10/19/2014 | 2/18/2015  | 78,549                                    | 145,838                                   | 81,868                                      | E/W                | 2ND BSPG S |
| 30015425330000                               | BOPCO LIMITED PARTNERSHIP            | HASTA LA VISTA 1 DI 1H   | 20S      | 31E   | 6       | 9/18/2014  | 2/18/2015  | 48,145                                    | 127,446                                   | 79,783                                      | E/W                | 2ND BSPG S |
| 30015427360000                               | COG OPERATING LIMITED LIABILITY CORP | MOSSY FEDERAL 2H         | 20S      | 29E   | 12      | 1/9/2015   | 4/12/2015  | 38,040                                    | 79,691                                    | 166,887                                     | E/W                | 2ND BSPG S |
| 30015427350000                               | COG OPERATING LIMITED LIABILITY CORP | MOSSY FEDERAL 1H         | 20S      | 29E   | 12      | 12/7/2014  | 6/8/2015   | 27,414                                    | 35,114                                    | 116,737                                     | E/W                | 2ND BSPG S |
| 30015426380000                               | BOPCO LIMITED PARTNERSHIP            | BIG EDDY UNIT D14 269H   | 20S      | 31E   | 5       | 11/2/2014  | 11/17/2016 | 34,498                                    | 27,107                                    | 62,346                                      | E/W                | 2ND BSPG S |
| 30015426520000                               | BOPCO LIMITED PARTNERSHIP            | BIG EDDY UNIT D14 271H   | 20S      | 31E   | 5       | 10/29/2014 | 11/17/2016 | 31,947                                    | 29,415                                    | 56,174                                      | E/W                | 2ND BSPG S |
| 30015382260100                               | CIMAREX ENERGY COMPANY               | BURTON 6 FEDERAL 1H      | 20S      | 30E   | 6       | 12/1/2010  | 1/26/2011  | 7,676                                     | 13,147                                    | 19,357                                      | N/S                | 2ND BSPG S |
| 30015382440100                               | COG OPERATING LIMITED LIABILITY CORP | MARAUDER FEDERAL 1H      | 19S      | 31E   | 31      | 11/14/2010 | 2/11/2011  | 60,474                                    | 122,087                                   | 97,401                                      | N/S                | 2ND BSPG S |
| 30015382950100                               | COG OPERATING LIMITED LIABILITY CORP | BIRDSEYE '32' STATE 1H   | 19S      | 31E   | 32      | 3/18/2011  | 5/26/2011  | 96,835                                    | 178,525                                   | 161,427                                     | N/S                | 2ND BSPG S |
| 30015384650100                               | CIMAREX ENERGY CO OF COLORADO        | SUPERIOR FEDERAL 10H     | 20S      | 29E   | 1       | 5/18/2011  | 8/3/2011   | 16,742                                    | 46,158                                    | 34,541                                      | 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 | 53,279                                    | 82,356                                    | 88,651                                      | N/S                | 2ND BSPG S |
| 30015393870000                               | COG OPERATING LIMITED LIABILITY CORP | BIRDSEYE '32' STATE 4H   | 19S      | 31E   | 32      | 10/5/2011  | 12/12/2011 | 62,688                                    | 110,186                                   | 180,616                                     | N/S                | 2ND BSPG S |
| 30015407890000                               | COG OPERATING LIMITED LIABILITY CORP | BUENA VISTA 2 STATE 1H   | 20S      | 30E   | 2       | 11/30/2012 | 4/3/2013   | 83,174                                    | 182,490                                   | 94,739                                      | N/S                | 2ND BSPG S |
| 30015409540000                               | COG OPERATING LIMITED LIABILITY CORP | BIRDSEYE 32 STATE 2H     | 19S      | 31E   | 32      | 2/26/2013  | 5/7/2013   | 83,655                                    | 134,859                                   | 145,189                                     | N/S                | 2ND BSPG S |
| 30015408910000                               | COG OPERATING LIMITED LIABILITY CORP | BIRDSEYE 32 STATE 3H     | 19S      | 31E   | 32      | 3/15/2013  | 5/30/2013  | 60,538                                    | 76,948                                    | 160,462                                     | 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  | 53,583                                    | 77,853                                    | 81,550                                      | 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   | 100,400                                   | 221,832                                   | 106,422                                     | N/S                | 2ND BSPG S |
| 300154181100000                              | COG OPERATING LIMITED LIABILITY CORP | MARAUDER 31 FEDERAL 2H   | 19S      | 31E   | 31      | 4/29/2014  | 7/28/2014  | 66,138                                    | 90,522                                    | 158,811                                     | N/S                | 2ND BSPG S |
| 300154181100000                              | COG OPERATING LIMITED LIABILITY CORP | MARAUDER 31 FEDERAL 4H   | 19S      | 31E   | 31      | 5/21/2014  | 8/20/2014  | 87,791                                    | 92,203                                    | 179,130                                     | N/S                | 2ND BSPG S |
| 30015415690000                               | COG OPERATING LIMITED LIABILITY CORP | MARAUDER 31 FEDERAL 3H   | 19S      | 31E   | 31      | 4/10/2014  | 8/25/2014  | 50,135                                    | 92,395                                    | 199,243                                     | N/S                | 2ND BSPG S |
| 30015423230000                               | COG OPERATING LIMITED LIABILITY CORP | CRAPSHOOT 13 FEDERAL 1H  | 20S      | 29E   | 24      | 5/28/2014  | 9/8/2014   | 34,815                                    | 111,196                                   | 164,013                                     | 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  | 19,819                                    | 53,933                                    | 103,965                                     | N/S                | 2ND BSPG S |
| 30015420850000                               | COG OPERATING LIMITED LIABILITY CORP | DARTHROW STATE 2H        | 20S      | 30E   | 19      | 6/26/2014  | 10/1/2014  | 45,015                                    | 101,290                                   | 266,497                                     | N/S                | 2ND BSPG S |
| 30015424330000                               | COG OPERATING LIMITED LIABILITY CORP | DUMP YARD 2 STATE 1H     | 21S      | 28E   | 2       | 7/14/2014  | 12/30/2014 | 31,097                                    | 76,123                                    | 111,082                                     | N/S                | 2ND BSPG S |
| 30015427190000                               | COG OPERATING LIMITED LIABILITY CORP | DARTHROW STATE 4H        | 20S      | 30E   | 19      | 10/15/2014 | 1/10/2015  | 46,238                                    | 104,130                                   | 214,571                                     | N/S                | 2ND BSPG S |
| 30015425180100                               | COG OPERATING LIMITED LIABILITY CORP | DUMP YARD 2 STATE 2H     | 21S      | 28E   | 2       | 8/30/2014  | 1/12/2015  | 34,487                                    | 107,102                                   | 127,504                                     | N/S                | 2ND BSPG S |
| 30015432270000                               | COG OPERATING LIMITED LIABILITY CORP | SOLUTION FEDERAL COM 3H  | 20S      | 30E   | 5       | 8/2/2015   | 10/4/2015  | 29,584                                    | 74,840                                    | 90,517                                      | N/S                | 2ND BSPG S |
| 30015431580000                               | COG OPERATING LIMITED LIABILITY CORP | CRAPSHOOT 13 FEDERAL 2H  | 20S      | 29E   | 24      | 6/8/2015   | 11/15/2015 | 46,693                                    | 128,031                                   | 176,212                                     | N/S                | 2ND BSPG S |
| 30015440990000                               | MATADOR PRODUCTION COMPANY           | HEYCO STATE 122H         | 20S      | 30E   | 32      | 4/16/2017  | 8/8/2017   | 18,507                                    | 80,590                                    | 103,760                                     | N/S                | 2ND BSPG S |
| 30015440830000                               | MATADOR PRODUCTION COMPANY           | HEYCO STATE 121H         | 20S      | 30E   | 32      | 4/18/2017  | 8/8/2017   | 20,707                                    | 99,750                                    | 138,649                                     | N/S                | 2ND BSPG S |

Ascent Energy, LLC



Case No. **Exhibit**

2<sup>nd</sup> Bone Spring Sand Normalized  
4500' Production Data Table

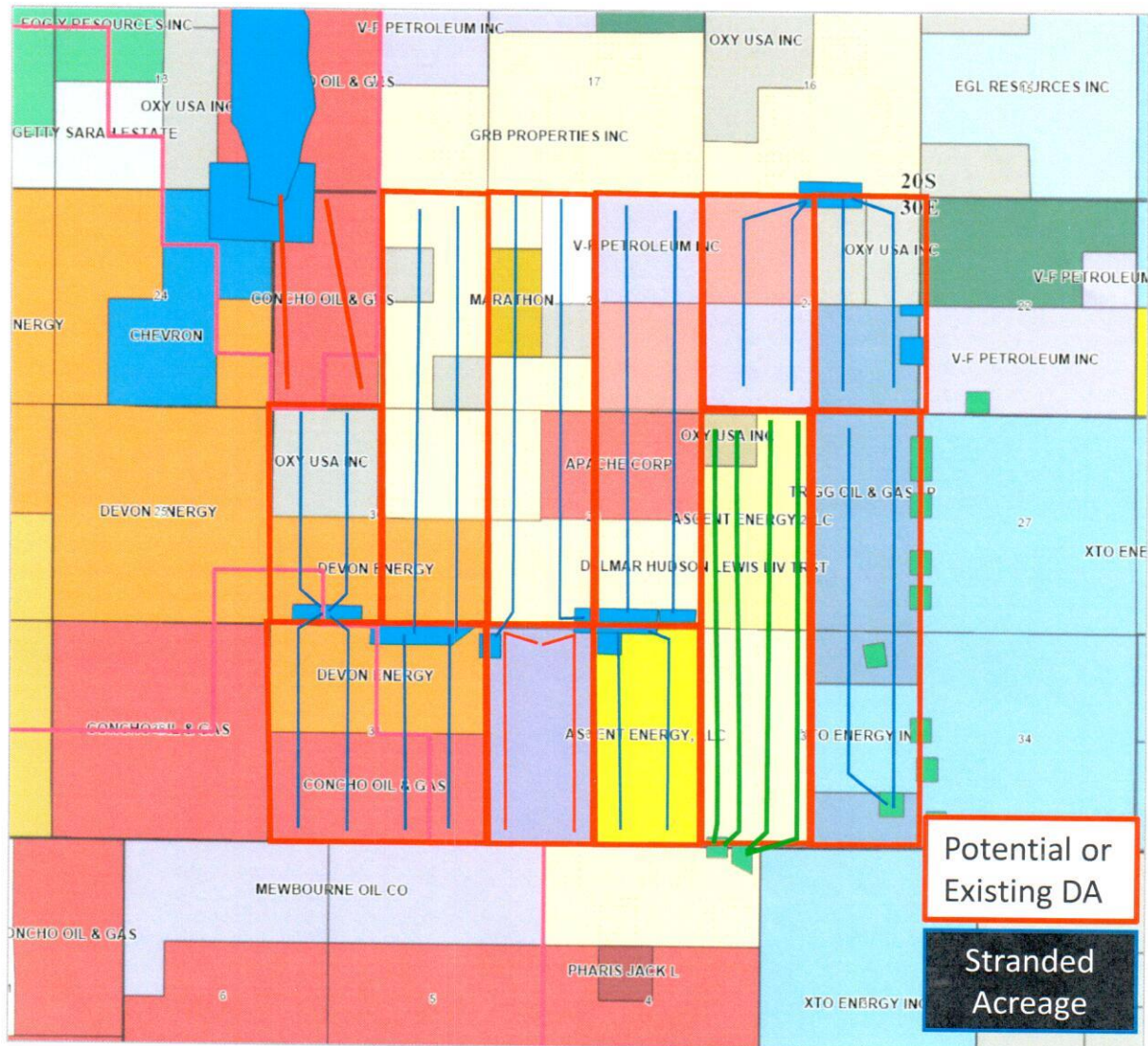
Aug 20, 2019

Production table of Normalized 6 Month CUMs (4500')

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# Optimal Development with Anvil DA

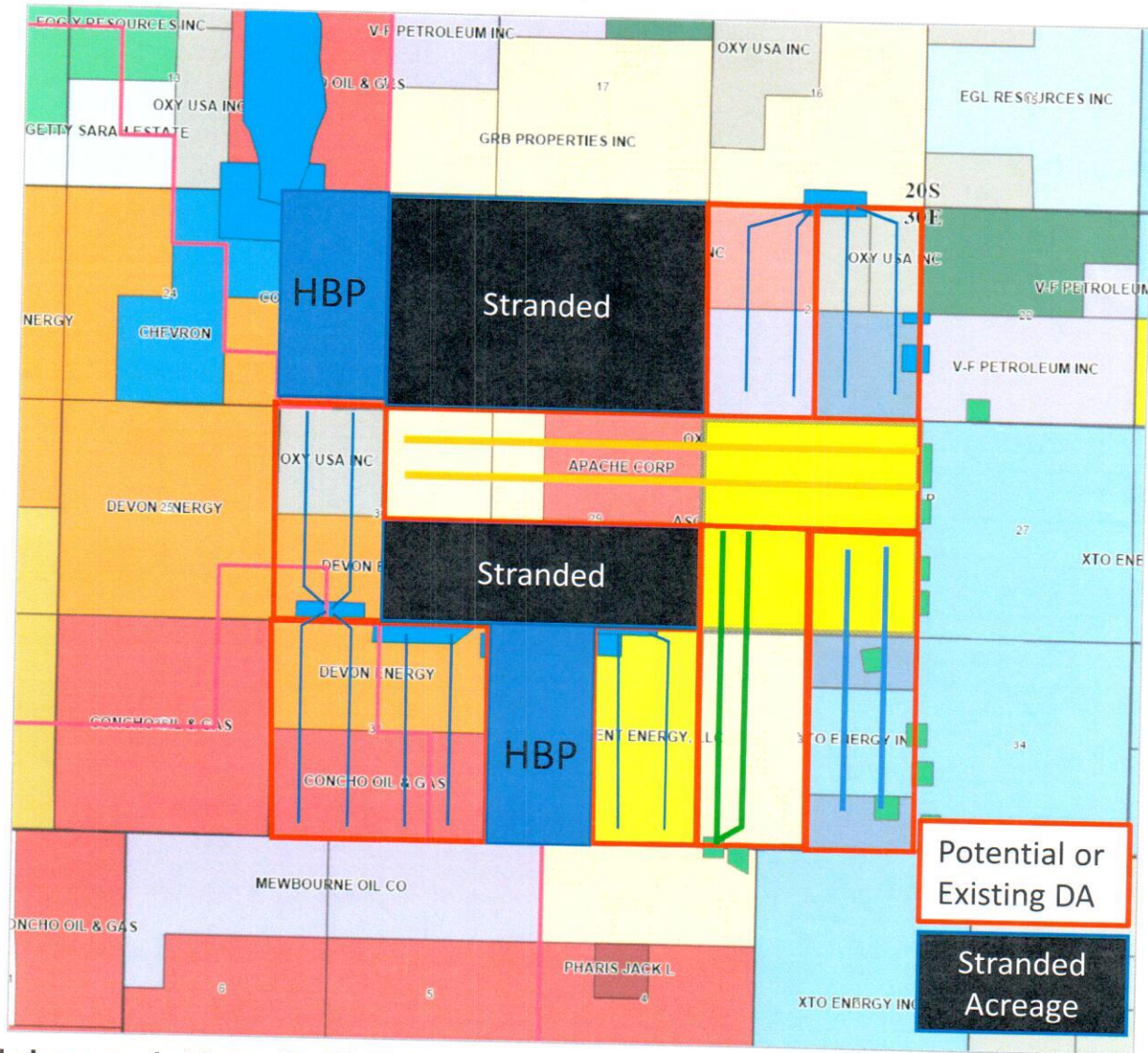


- Using existing Drill Islands:
  - Surrounding 9 section block fully developed
  - 0 stranded acres
  - Maximizes long laterals
    - 5 x 2 mile x ½ mile DAs
    - 7 x 1 mile x ½ mile DAs
- Efficient development minimizes financial waste
- Ascent operates 2 additional DAs in 20S 30E
  - Less infrastructure
  - Minimizes surface disturbance

|                                                          |                |                                                                                       |
|----------------------------------------------------------|----------------|---------------------------------------------------------------------------------------|
| Ascent Energy, LLC                                       |                |  |
| Case No.                                                 | <u>Exhibit</u> |                                                                                       |
| Optimized Development with Ascent's<br>Proposed Anvil DA |                |                                                                                       |
| Aug 20, 2019                                             |                |                                                                                       |



# Suboptimal Development with Apache Proposal



## • Using existing Drill Islands:

- Suboptimal development
- 1,440 stranded acres
- 1 x 2 mile x ½ mile DA
- 1 x 2 mile/1 ½ mile DA
- 1 x 1 ¾ mile DA
- 7 x 1 mile x ½ mile DAs

## • Lost revenue to the US Government:

- 108 MMOOIP/section x 12% recovery x \$50/bbl x 12.5% royalty x (1,440/640) = **\$182 MM**
  - Assumes 1st BS, 2nd BS, 3rd BS, WC are developed

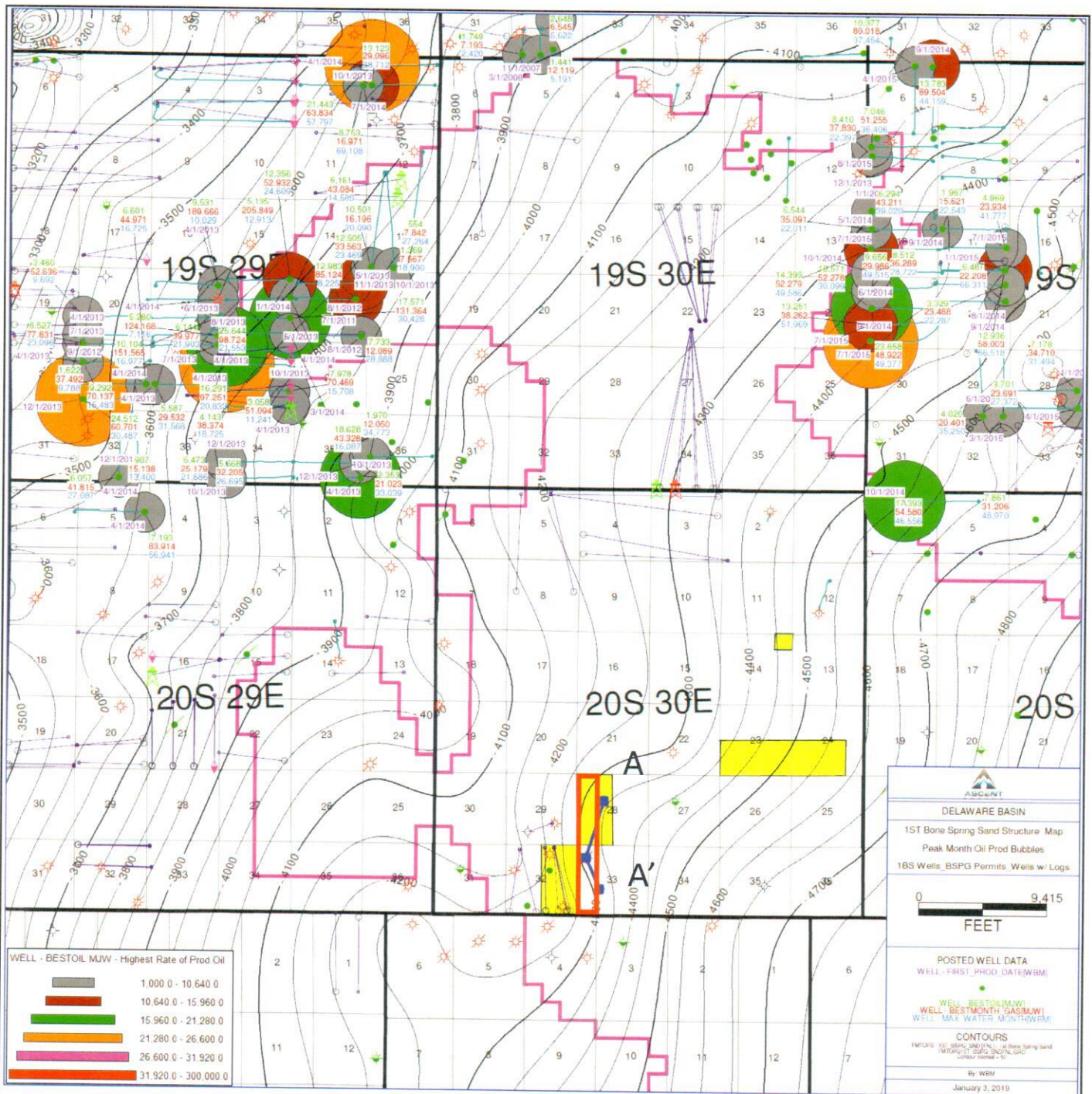
|                                             |         |
|---------------------------------------------|---------|
| Ascent Energy, LLC                          |         |
| Case No.                                    | Exhibit |
| Suboptimal Development with Apache Proposal |         |
| Aug 20, 2019                                |         |



## 1<sup>st</sup> Bone Spring Sand

- W2 W2
- Anvil Fed Com 401H





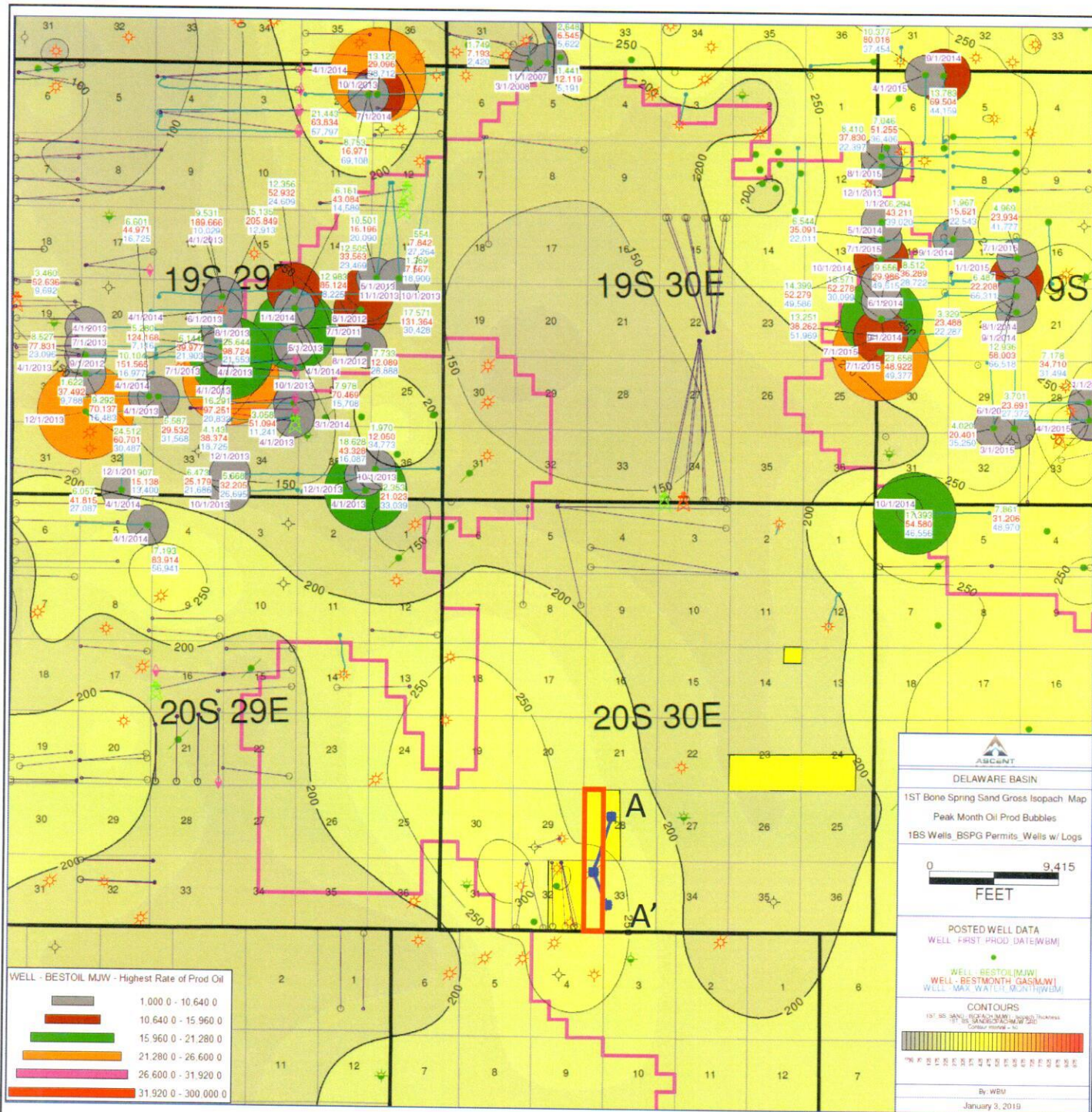
- Treated Well
- Well at TD
- Well Spud



320 Acre Horizontal Spacing Unit

|                                                                                                   |             |
|---------------------------------------------------------------------------------------------------|-------------|
| Ascent Energy, LLC                                                                                |             |
| Case No.                                                                                          | Exhibit     |
| 1st Bone Spring Sand Structure &<br>Producing 1st Bone Spring Sand Wells & Bone<br>Spring Permits |             |
| CI = 50'                                                                                          | Jan 3, 2019 |

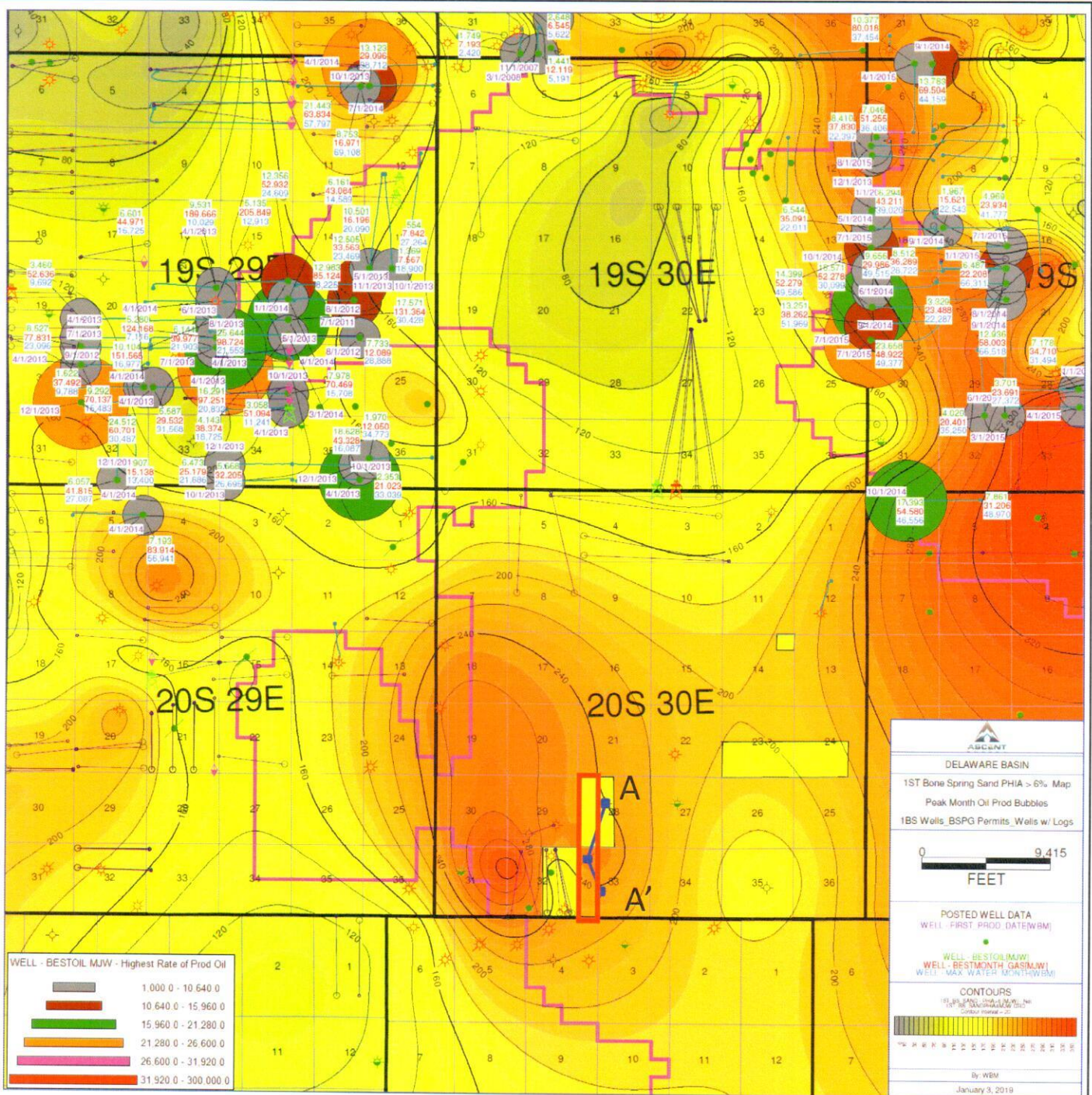




- Treated Well
- Well at TD
- Well Spud
- 320 Acre Horizontal Spacing Unit

|                                                                                                 |             |
|-------------------------------------------------------------------------------------------------|-------------|
| Ascent Energy, LLC                                                                              |             |
| Case No.                                                                                        | Exhibit     |
| 1st Bone Spring Sand Gross Isopach & Producing 1st Bone Spring Sand Wells & Bone Spring Permits |             |
| CI = 50'                                                                                        | Jan 3, 2019 |



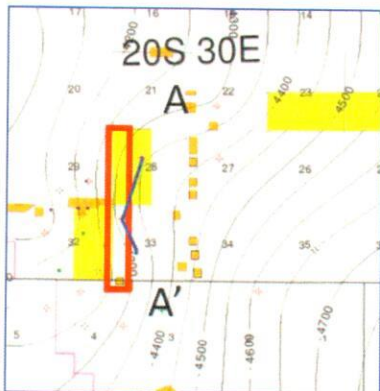
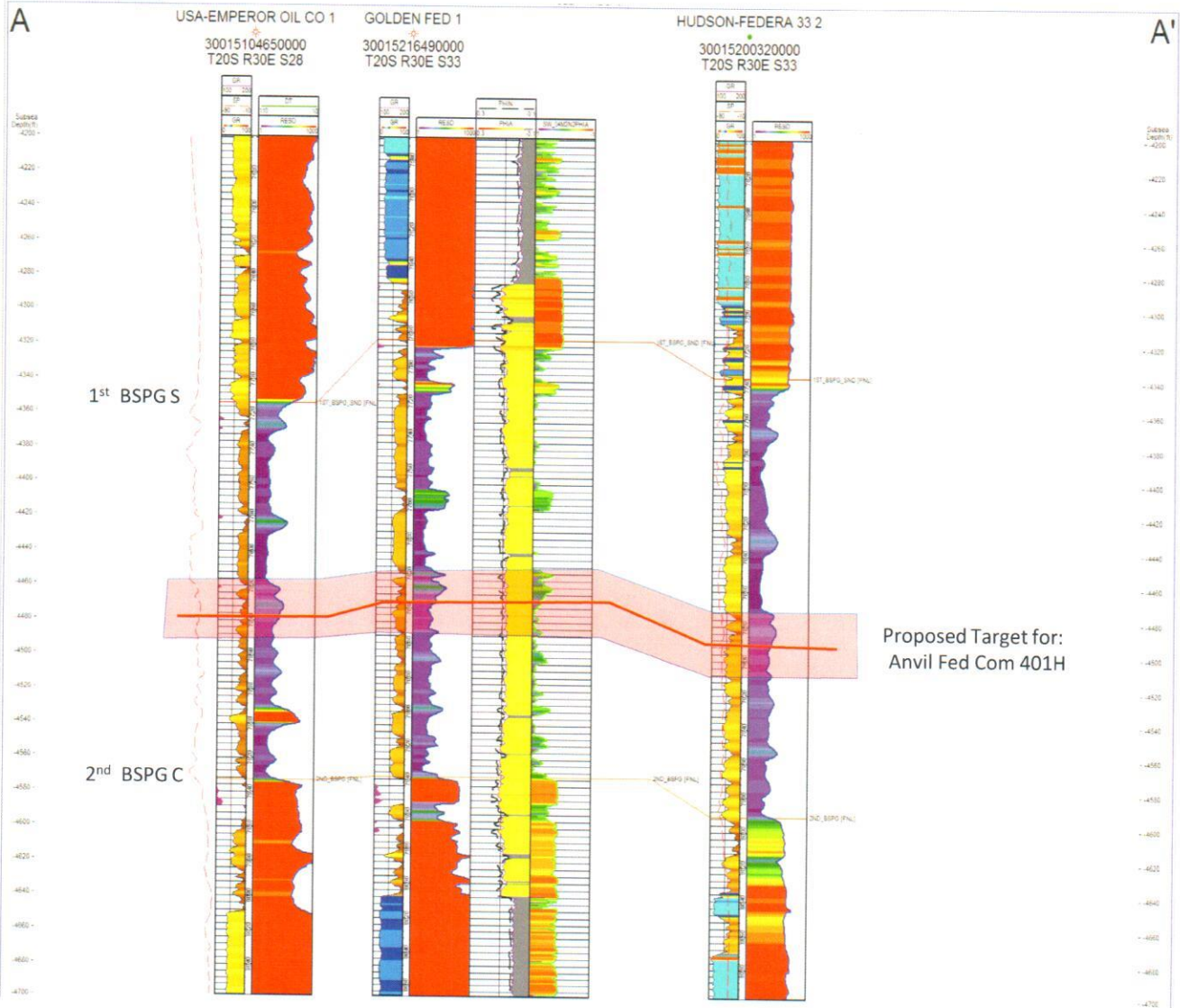


- Treated Well
- Well at TD
- Well Spud

320 Acre Horizontal Spacing Unit

|                                                                                                                             |             |
|-----------------------------------------------------------------------------------------------------------------------------|-------------|
| Ascent Energy, LLC                                                                                                          |             |
| Case No.                                                                                                                    | Exhibit     |
| 1 <sup>st</sup> Bone Spring Sand PHIA > 6% Net Pay & Producing 1 <sup>st</sup> Bone Spring Sand Wells & Bone Spring Permits |             |
| CI = 20'                                                                                                                    | Jan 3, 2019 |





|                                           |         |
|-------------------------------------------|---------|
| Ascent Energy, LLC                        |         |
| Case No.                                  | Exhibit |
| Cross Section across 1st Bone Spring Sand |         |
| Nov 27, 2018                              |         |

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| Offset 1st Bone Spring Sand Production Table |                                     |                          |          |       |         |            |            |                |                |                  |            |             |            |                 |            |
|----------------------------------------------|-------------------------------------|--------------------------|----------|-------|---------|------------|------------|----------------|----------------|------------------|------------|-------------|------------|-----------------|------------|
| UWI (API Num)                                | Operator                            | Well Label               | Township | Range | Section | SPUD DATE  | COMP DATE  | PEAK OIL MONTH | PEAK GAS MONTH | PEAK WATER MONTH | CUM OIL BO | CUM GAS MCF | CUM WTR BW | LATERAL AZIMUTH | HOR ZONE   |
| 30015372070000                               | EOG RESOURCES INCORPORATED          | PARKWAY 23 STATE COM 3H  | 19S      | 29E   | 23      | 4/10/2011  | 7/19/2011  | 12,983         | 85,124         | 8,225            | 150,874    | 1,576,622   | 337,840    | E/W             | 1ST BSPG S |
| 30015395070000                               | EOG RESOURCES INCORPORATED          | PARKWAY 23 STATE COM 7H  | 19S      | 29E   | 23      | 4/11/2012  | 8/31/2012  | 7,733          | 12,089         | 28,888           | 88,898     | 573,248     | 571,023    | E/W             | 1ST BSPG S |
| 30015401350000                               | DEVON ENERGY PRODUCTION COMPANY L.P | ONYX PWU 29 5H           | 19S      | 29E   | 28      | 5/29/2012  | 9/25/2012  | 8,527          | 77,831         | 23,096           | 101,306    | 887,342     | 280,671    | E/W             | 1ST BSPG S |
| 30015395050000                               | EOG RESOURCES INCORPORATED          | PARKWAY 23 STATE COM 5H  | 19S      | 29E   | 23      | 2/19/2012  | 11/5/2012  | 12,505         | 83,563         | 23,469           | 81,896     | 777,136     | 339,018    | E/W             | 1ST BSPG S |
| 30015402890000                               | DEVON ENERGY PRODUCTION COMPANY L.P | TURQUOISE PWU 27 8H      | 19S      | 29E   | 27      | 8/27/2012  | 11/16/2012 | 3,058          | 51,094         | 11,241           | 58,589     | 1,167,307   | 167,166    | E/W             | 1ST BSPG S |
| 30015405870000                               | DEVON ENERGY PRODUCTION COMPANY L.P | EMERALD PWU 20 7H        | 19S      | 29E   | 20      | 12/28/2012 | 2/19/2013  | 3,460          | 52,636         | 9,692            | 32,381     | 613,684     | 112,174    | E/W             | 1ST BSPG S |
| 30015405070000                               | DEVON ENERGY PRODUCTION COMPANY L.P | TURQUOISE PWU 27 6H      | 19S      | 29E   | 27      | 11/27/2012 | 2/26/2013  | 25,644         | 98,724         | 21,553           | 140,048    | 1,486,867   | 263,021    | E/W             | 1ST BSPG S |
| 30015405140100                               | DEVON ENERGY PRODUCTION COMPANY L.P | ONYX PWU 29 6H           | 19S      | 29E   | 29      | 12/24/2012 | 3/15/2013  | 9,292          | 70,137         | 15,483           | 82,908     | 1,211,051   | 233,837    | E/W             | 1ST BSPG S |
| 30015405920000                               | DEVON ENERGY PRODUCTION COMPANY L.P | CORAL PWU 28 7H          | 19S      | 29E   | 28      | 3/8/2013   | 4/29/2013  | 5,587          | 29,532         | 31,568           | 42,187     | 460,160     | 301,110    | E/W             | 1ST BSPG S |
| 30015405900000                               | DEVON ENERGY PRODUCTION COMPANY L.P | AGATE PWU 21 5H          | 19S      | 29E   | 21      | 1/21/2013  | 5/3/2013   | 9,531          | 189,666        | 10,029           | 107,005    | 3,247,880   | 197,287    | E/W             | 1ST BSPG S |
| 30015398390000                               | COLGATE OPERATING LLC               | PARKWAY 35 FEDERAL 4H    | 19S      | 29E   | 35      | 11/11/2012 | 5/9/2013   | 18,628         | 43,328         | 16,087           | 182,130    | 791,094     | 270,019    | E/W             | 1ST BSPG S |
| 30015405830000                               | DEVON ENERGY PRODUCTION COMPANY L.P | TURQUOISE PWU 27 5H      | 19S      | 29E   | 27      | 2/14/2013  | 5/23/2013  | 16,291         | 97,251         | 20,832           | 100,534    | 1,213,765   | 240,192    | E/W             | 1ST BSPG S |
| 30015405110000                               | DEVON ENERGY PRODUCTION COMPANY L.P | AGATE PWU 21 7H          | 19S      | 29E   | 20      | 4/15/2013  | 6/8/2013   | 10,104         | 151,565        | 16,977           | 82,261     | 2,591,333   | 231,266    | E/W             | 1ST BSPG S |
| 30015410070000                               | DEVON ENERGY PRODUCTION COMPANY L.P | DIAMOND PWU 22 007H      | 19S      | 29E   | 21      | 3/30/2013  | 6/15/2013  | 17,571         | 131,364        | 30,428           | 117,008    | 944,489     | 285,215    | E/W             | 1ST BSPG S |
| 30015405090000                               | DEVON ENERGY PRODUCTION COMPANY L.P | CORAL PWU 28 5H          | 19S      | 29E   | 28      | 5/10/2013  | 7/21/2013  | 6,144          | 39,977         | 21,903           | 38,680     | 534,788     | 259,352    | E/W             | 1ST BSPG S |
| 30015405130000                               | DEVON ENERGY PRODUCTION COMPANY L.P | EMERALD PWU 20 8H        | 19S      | 29E   | 21      | 4/21/2013  | 7/26/2013  | 1,622          | 37,492         | 9,788            | 22,488     | 483,113     | 86,988     | E/W             | 1ST BSPG S |
| 30015405120000                               | DEVON ENERGY PRODUCTION COMPANY L.P | AGATE PWU 21 8H          | 19S      | 29E   | 21      | 5/9/2013   | 8/4/2013   | 5,280          | 124,168        | 7,116            | 51,760     | 1,906,646   | 146,679    | E/W             | 1ST BSPG S |
| 30015412500000                               | COLGATE OPERATING LLC               | OSAGE 34 FEDERAL 5H      | 19S      | 29E   | 34      | 5/28/2013  | 10/11/2013 | 6,473          | 25,179         | 21,686           | 76,216     | 541,794     | 414,550    | E/W             | 1ST BSPG S |
| 30015414890000                               | MEWBOURNE OIL COMPANY               | ZIRCON 1 HE STATE 1H     | 19S      | 29E   | 1       | 9/7/2013   | 10/22/2013 | 13,123         | 29,096         | 38,712           | 109,913    | 393,601     | 714,058    | E/W             | 1ST BSPG S |
| 30015405080000                               | DEVON ENERGY PRODUCTION COMPANY L.P | TURQUOISE PWU 27 7H      | 19S      | 29E   | 27      | 9/3/2013   | 10/30/2013 | 7,978          | 70,469         | 15,708           | 54,537     | 782,717     | 133,546    | E/W             | 1ST BSPG S |
| 30015415470000                               | COLGATE OPERATING LLC               | PARKWAY 36 STATE 6H      | 19S      | 29E   | 36      | 8/20/2013  | 11/17/2013 | 1,970          | 12,050         | 34,773           | 23,380     | 219,283     | 511,743    | E/W             | 1ST BSPG S |
| 30015415970000                               | COLGATE OPERATING LLC               | OSAGE 34 FEDERAL 6H      | 19S      | 29E   | 34      | 9/18/2013  | 12/13/2013 | 5,668          | 32,205         | 26,695           | 75,079     | 711,075     | 347,712    | E/W             | 1ST BSPG S |
| 30015416460000                               | COLGATE OPERATING LLC               | PARKWAY 35 FEDERAL C 6H  | 19S      | 29E   | 34      | 10/23/2013 | 12/20/2013 | 2,353          | 21,023         | 33,039           | 28,951     | 430,606     | 604,430    | E/W             | 1ST BSPG S |
| 30015405150000                               | DEVON ENERGY PRODUCTION COMPANY L.P | ONYX PWU 29 8H           | 19S      | 29E   | 29      | 10/5/2013  | 12/27/2013 | 24,512         | 60,701         | 30,487           | 123,033    | 711,538     | 298,561    | E/W             | 1ST BSPG S |
| 30015415070100                               | DEVON ENERGY PRODUCTION COMPANY L.P | STRAWBERRY 7 FEDERAL 8H  | 19S      | 31E   | 7       | 11/8/2013  | 12/29/2013 | 8,410          | 37,830         | 22,397           | 73,581     | 669,539     | 456,721    | E/W             | 1ST BSPG S |
| 30015408220000                               | DEVON ENERGY PRODUCTION COMPANY L.P | DIAMOND PWU 22 5H        | 19S      | 29E   | 22      | 11/3/2013  | 2/8/2014   | 12,356         | 52,932         | 24,609           | 103,073    | 580,626     | 219,820    | E/W             | 1ST BSPG S |
| 30015410080000                               | DEVON ENERGY PRODUCTION COMPANY L.P | DIAMOND PWU 22 6H        | 19S      | 29E   | 22      | 11/13/2013 | 2/13/2014  | 6,161          | 43,084         | 14,589           | 58,035     | 619,017     | 164,422    | E/W             | 1ST BSPG S |
| 30015417610000                               | DEVON ENERGY PRODUCTION COMPANY L.P | SIRIUS 17 FEDERAL 6H     | 19S      | 31E   | 17      | 1/30/2014  | 4/8/2014   | 1,967          | 15,621         | 22,543           | 40,695     | 249,825     | 313,930    | E/W             | 1ST BSPG S |
| 30015418970000                               | MEWBOURNE OIL COMPANY               | SAVAGE 5 EH FEDERAL 1H   | 20S      | 29E   | 6       | 2/8/2014   | 4/11/2014  | 7,193          | 83,914         | 56,941           | 46,503     | 848,576     | 528,136    | E/W             | 1ST BSPG S |
| 30015410140000                               | DEVON ENERGY PRODUCTION COMPANY L.P | DIAMOND PWU 22 8H        | 19S      | 29E   | 21      | 1/23/2014  | 4/16/2014  | 4,143          | 38,374         | 18,725           | 49,327     | 626,255     | 194,652    | E/W             | 1ST BSPG S |
| 30015405910000                               | DEVON ENERGY PRODUCTION COMPANY L.P | AGATE PWU 21 6H          | 19S      | 29E   | 20      | 2/7/2014   | 4/18/2014  | 5,135          | 205,849        | 12,913           | 26,681     | 1,748,965   | 133,761    | E/W             | 1ST BSPG S |
| 30015419080000                               | MEWBOURNE OIL COMPANY               | ZIRCON 1 B1 AD STATE 1H  | 19S      | 29E   | 1       | 3/12/2014  | 4/28/2014  | 21,443         | 63,884         | 57,797           | 138,355    | 744,926     | 756,128    | E/W             | 1ST BSPG S |
| 30015413800000                               | DEVON ENERGY PRODUCTION COMPANY L.P | ONYX PWU 29 7H           | 19S      | 29E   | 30      | 3/3/2014   | 5/19/2014  | 6,601          | 44,971         | 16,725           | 54,312     | 867,243     | 172,894    | E/W             | 1ST BSPG S |
| 30015420750000                               | DEVON ENERGY PRODUCTION COMPANY L.P | ARCTURUS 18 FEDERA 6H    | 19S      | 31E   | 18      | 3/6/2014   | 6/19/2014  | 6,544          | 35,091         | 22,011           | 45,127     | 311,329     | 216,511    | E/W             | 1ST BSPG S |
| 30015418990000                               | DEVON ENERGY PRODUCTION COMPANY L.P | BETELGEUSE 19 FEDE 5H    | 19S      | 31E   | 19      | 3/24/2014  | 6/21/2014  | 9,656          | 29,986         | 49,515           | 69,792     | 452,586     | 449,879    | E/W             | 1ST BSPG S |
| 30015415140000                               | DEVON ENERGY PRODUCTION COMPANY L.P | RIGEL 20 FEDERAL COM 5H  | 19S      | 31E   | 19      | 2/25/2014  | 6/23/2014  | 3,329          | 23,488         | 22,287           | 42,207     | 433,389     | 377,253    | E/W             | 1ST BSPG S |
| 30015420280000                               | MEWBOURNE OIL COMPANY               | ZIRCON 2 B1EH STATE 2H   | 19S      | 29E   | 2       | 5/27/2014  | 8/7/2014   | 8,753          | 16,971         | 69,108           | 97,729     | 290,844     | 786,012    | E/W             | 1ST BSPG S |
| 30015415130000                               | DEVON ENERGY PRODUCTION COMPANY L.P | RIGEL 20 FEDERAL COM 6H  | 19S      | 31E   | 20      | 5/5/2014   | 9/14/2014  | 6,487          | 22,208         | 66,311           | 89,851     | 494,687     | 992,045    | E/W             | 1ST BSPG S |
| 30015420310000                               | DEVON ENERGY PRODUCTION COMPANY L.P | BETELGEUSE 19 FEDE 6H    | 19S      | 31E   | 20      | 6/2/2014   | 10/5/2014  | 18,571         | 52,278         | 30,099           | 187,642    | 1,018,548   | 675,913    | E/W             | 1ST BSPG S |
| 30015424780000                               | BOPCO LIMITED PARTNERSHIP           | BIG EDDY UNIT D14 264H   | 20S      | 31E   | 5       | 7/15/2014  | 11/3/2014  | 17,393         | 54,580         | 46,556           | 72,843     | 350,637     | 379,201    | E/W             | 1ST BSPG S |
| 30015420330000                               | DEVON ENERGY PRODUCTION COMPANY L.P | ARCTURUS 18 FEDERA 8H    | 19S      | 31E   | 17      | 8/2/2014   | 11/11/2014 | 8,512          | 36,289         | 28,722           | 99,508     | 780,821     | 524,349    | E/W             | 1ST BSPG S |
| 30015423700000                               | DEVON ENERGY PRODUCTION COMPANY L.P | BELLATRIX 28 FEDERAL 7H  | 19S      | 31E   | 29      | 9/14/2014  | 1/23/2015  | 7,178          | 34,710         | 31,494           | 89,782     | 669,404     | 668,792    | E/W             | 1ST BSPG S |
| 30015418020000                               | DEVON ENERGY PRODUCTION COMPANY L.P | ARCTURUS 18 FEDERA 5H    | 19S      | 31E   | 18      | 10/19/2014 | 1/26/2015  | 6,294          | 43,211         | 39,020           | 61,118     | 691,583     | 642,172    | E/W             | 1ST BSPG S |
| 30015418880000                               | DEVON ENERGY PRODUCTION COMPANY L.P | SIRIUS 17 FEDERAL 8H     | 19S      | 31E   | 17      | 10/6/2014  | 1/29/2015  | 12,936         | 58,003         | 66,518           | 111,348    | 1,119,174   | 966,418    | E/W             | 1ST BSPG S |
| 30015423710000                               | DEVON ENERGY PRODUCTION COMPANY L.P | BELLATRIX 28 FEDERAL 8H  | 19S      | 31E   | 29      | 1/12/2015  | 5/23/2015  | 7,861          | 31,206         | 48,970           | 65,268     | 363,519     | 633,832    | E/W             | 1ST BSPG S |
| 30015417620000                               | DEVON ENERGY PRODUCTION COMPANY L.P | SIRIUS 17 FEDERAL 7H     | 19S      | 31E   | 17      | 3/19/2015  | 8/14/2015  | 4,969          | 23,934         | 41,777           | 59,743     | 432,313     | 546,662    | E/W             | 1ST BSPG S |
| 30015420320000                               | DEVON ENERGY PRODUCTION COMPANY L.P | BETELGEUSE 19 FEDE 7H    | 19S      | 31E   | 20      | 1/11/2015  | 8/14/2015  | 13,251         | 38,262         | 51,969           | 102,634    | 786,724     | 652,812    | E/W             | 1ST BSPG S |
| 30015419000000                               | DEVON ENERGY PRODUCTION COMPANY L.P | BETELGEUSE 19 FEDE 8H    | 19S      | 31E   | 20      | 2/14/2015  | 8/17/2015  | 23,658         | 48,922         | 49,377           | 153,788    | 709,946     | 678,604    | E/W             | 1ST BSPG S |
| 30015426180000                               | DEVON ENERGY PRODUCTION COMPANY L.P | ARCTURUS 18 FEDERA 7H    | 19S      | 31E   | 17      | 4/30/2015  | 8/18/2015  | 14,399         | 52,279         | 49,586           | 84,039     | 707,259     | 723,772    | E/W             | 1ST BSPG S |
| 30015424900000                               | DEVON ENERGY PRODUCTION COMPANY L.P | STRAWBERRY 7 FEDERAL 11H | 19S      | 31E   | 7       | 5/25/2015  | 9/7/2015   | 7,046          | 51,255         | 36,406           | 57,552     | 717,354     | 588,468    | E/W             | 1ST BSPG S |
| 30015356600000                               | COG OPERATING LLC                   | JALAPENO STATE COM 001H  | 18S      | 30E   | 32      | 9/25/2007  | 11/9/2007  | 1,441          | 12,119         | 5,191            | 14,717     | 132,968     | 56,046     | N/S             | 1ST BSPG S |
| 30015360330000                               | COG OPERATING LLC                   | Y ENERGY STATE COM 1H    | 18S      | 30E   | 32      | 2/1/2008   | 3/29/2008  | 1,749          | 7,193          | 2,420            | 49,927     | 135,785     | 32,727     | N/S             | 1ST BSPG S |
| 30015407790000                               | DEVON ENERGY PRODUCTION COMPANY L.P | PERIDOT 13 STATE 5H      | 19S      | 29E   | 12      | 3/15/2013  | 6/1/2013   | 10,501         | 16,196         | 20,090           | 53,064     | 188,490     | 105,825    | N/S             | 1ST BSPG S |
| 30015407810000                               | DEVON ENERGY PRODUCTION COMPANY L.P | PERIDOT 13 STATE 7H      | 19S      | 29E   | 12      | 7/1/2013   | 10/14/2013 | 554            | 7,842          | 27,264           | 13,180     | 87,864      | 199,756    | N/S             | 1ST BSPG S |
| 30015407800000                               | DEVON ENERGY PRODUCTION COMPANY L.P | PERIDOT 13 STATE 6H      | 19S      | 29E   | 12      | 9/10/2013  | 11/30/2013 | 1,369          | 7,567          | 18,900           | 24,444     | 112,823     | 189,096    | N/S             | 1ST BSPG S |
| 30015405840000                               | DEVON ENERGY PRODUCTION COMPANY L.P | JASPER 32 STATE COM 7H   | 19S      | 29E   | 32      | 10/20/2013 | 1/14/2014  | 6,057          | 41,815         | 27,087           | 38,348     | 365,076     | 106,837    | N/S             | 1ST BSPG S |
| 30015406060000                               | DEVON ENERGY PRODUCTION COMPANY L.P | JASPER 32 STATE COM 8H   | 19S      | 29E   | 32      | 12/15/2013 | 3/6/2014   | 907            | 15,138         | 13,400           | 17,103     | 227,630     | 124,475    | N/S             | 1ST BSPG S |
| 30015416240000                               | DEVON ENERGY PRODUCTION COMPANY L.P | VEGA 29 FEDERAL 3H       | 19S      | 31E   |         |            |            |                |                |                  |            |             |            |                 |            |

|                                                        |         |
|--------------------------------------------------------|---------|
| Ascent Energy, LLC                                     |         |
| Case No.                                               | Exhibit |
| 1 <sup>st</sup> Bone Spring Sand Production Data Table |         |
| Nov 27, 2018                                           |         |

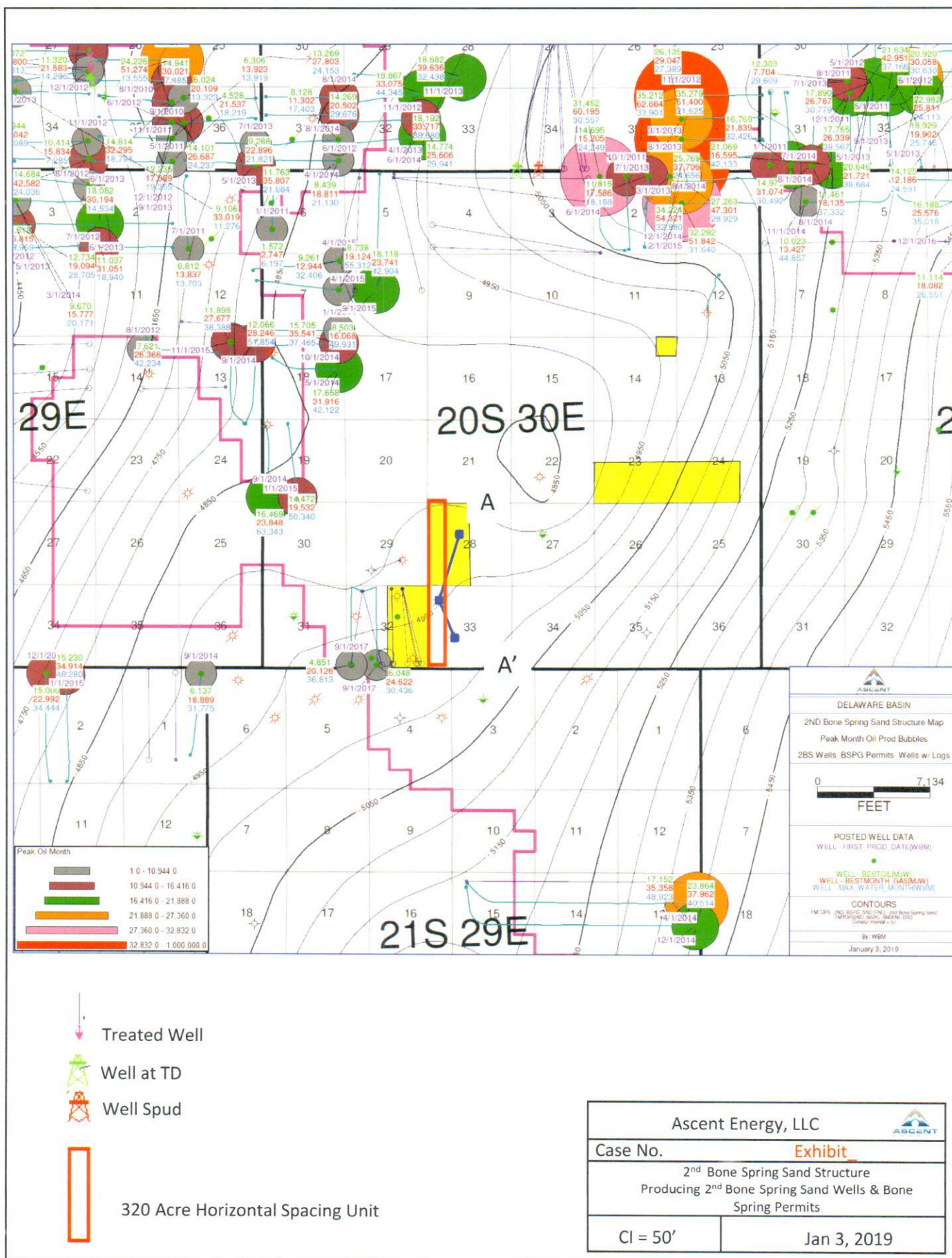
6



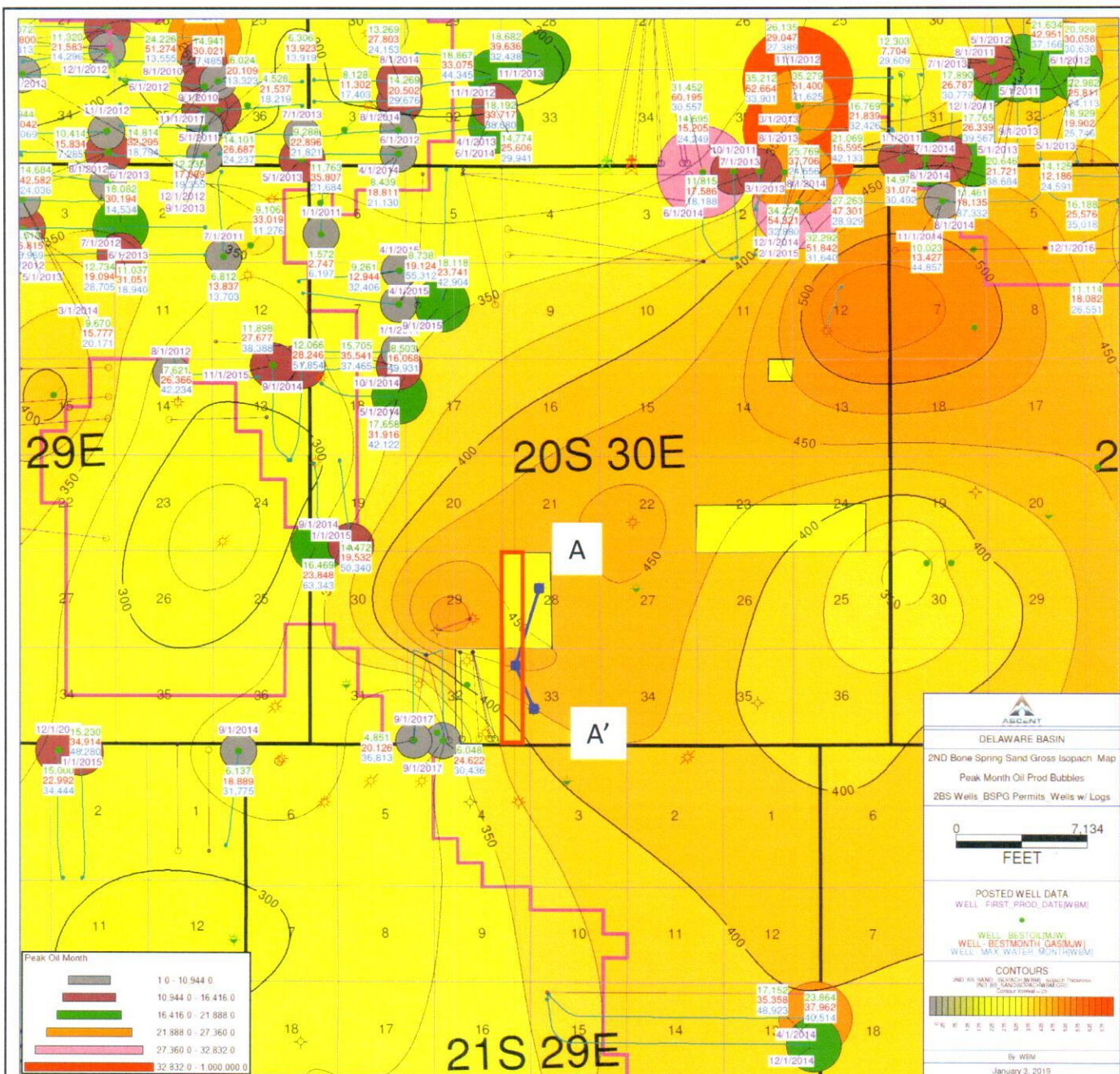
## 2<sup>nd</sup> Bone Spring Sand

- W2 W2
- Anvil Fed Com 501H







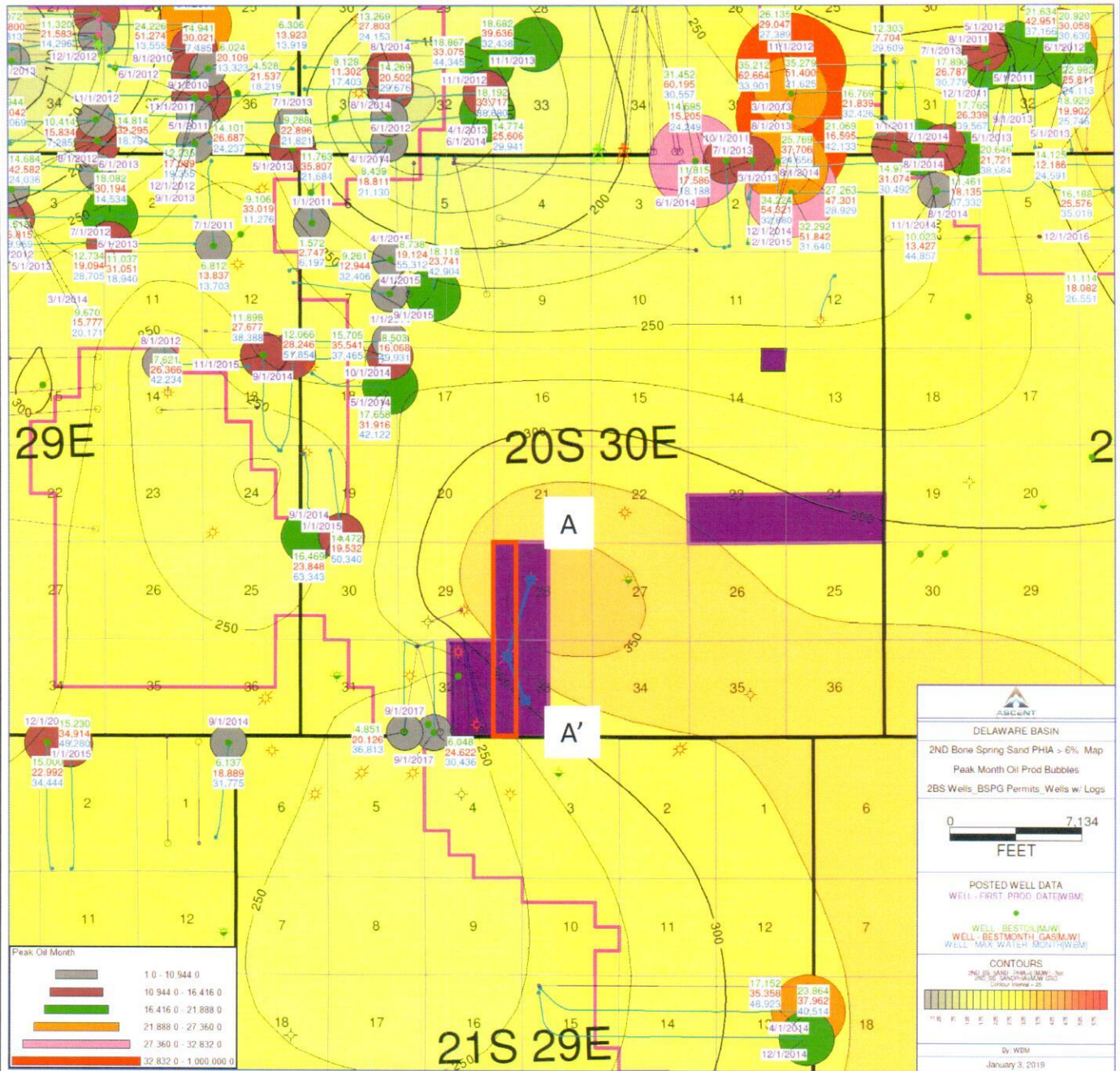


- Treated Well
- Well at TD
- Well Spud

320 Acre Horizontal Spacing Unit

|                                                                                                  |             |
|--------------------------------------------------------------------------------------------------|-------------|
| Ascent Energy, LLC                                                                               |             |
| Case No.                                                                                         | Exhibit     |
| 2nd Bone Spring Sand Gross Isopach<br>Producing 2nd Bone Spring Sand Wells & Bone Spring Permits |             |
| CI = 25'                                                                                         | Jan 3, 2019 |





Treated Well

Well at TD

Well Spud

320 Acre Horizontal Spacing Unit

Ascent Energy, LLC

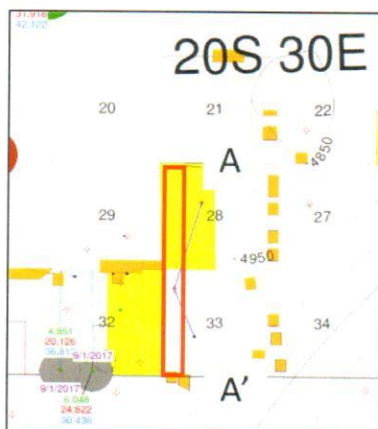
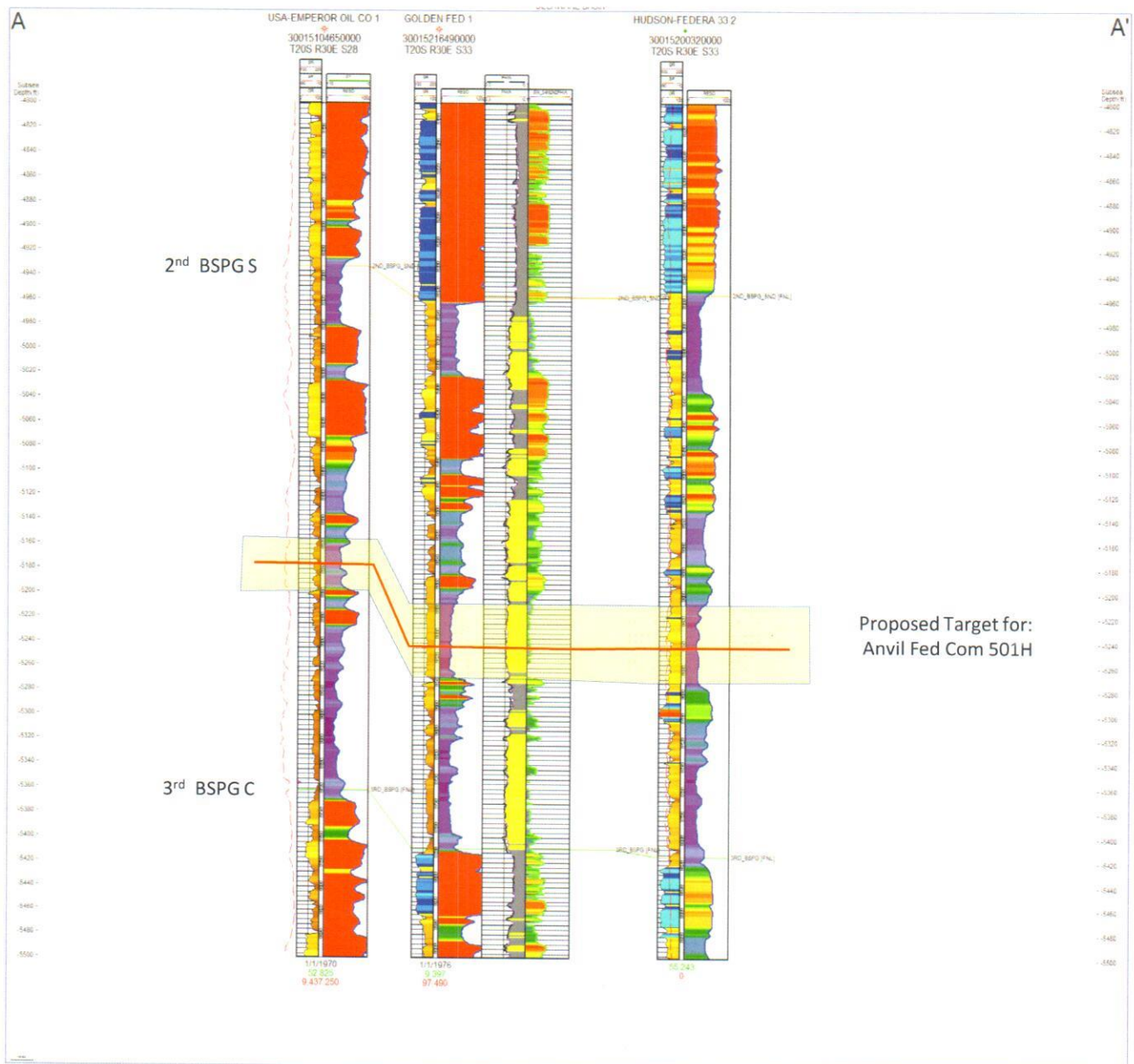
Case No. **Exhibit**

2nd Bone Spring Sand PHIA > 6%  
Producing 2nd Bone Spring Sand Wells & Bone  
Spring Permits

Cl = 25'

Jan 3, 2019





|                                           |         |
|-------------------------------------------|---------|
| Ascent Energy, LLC                        |         |
| Case No.                                  | Exhibit |
| Cross Section across 2nd Bone Spring Sand |         |
| Sept 10, 2018                             |         |



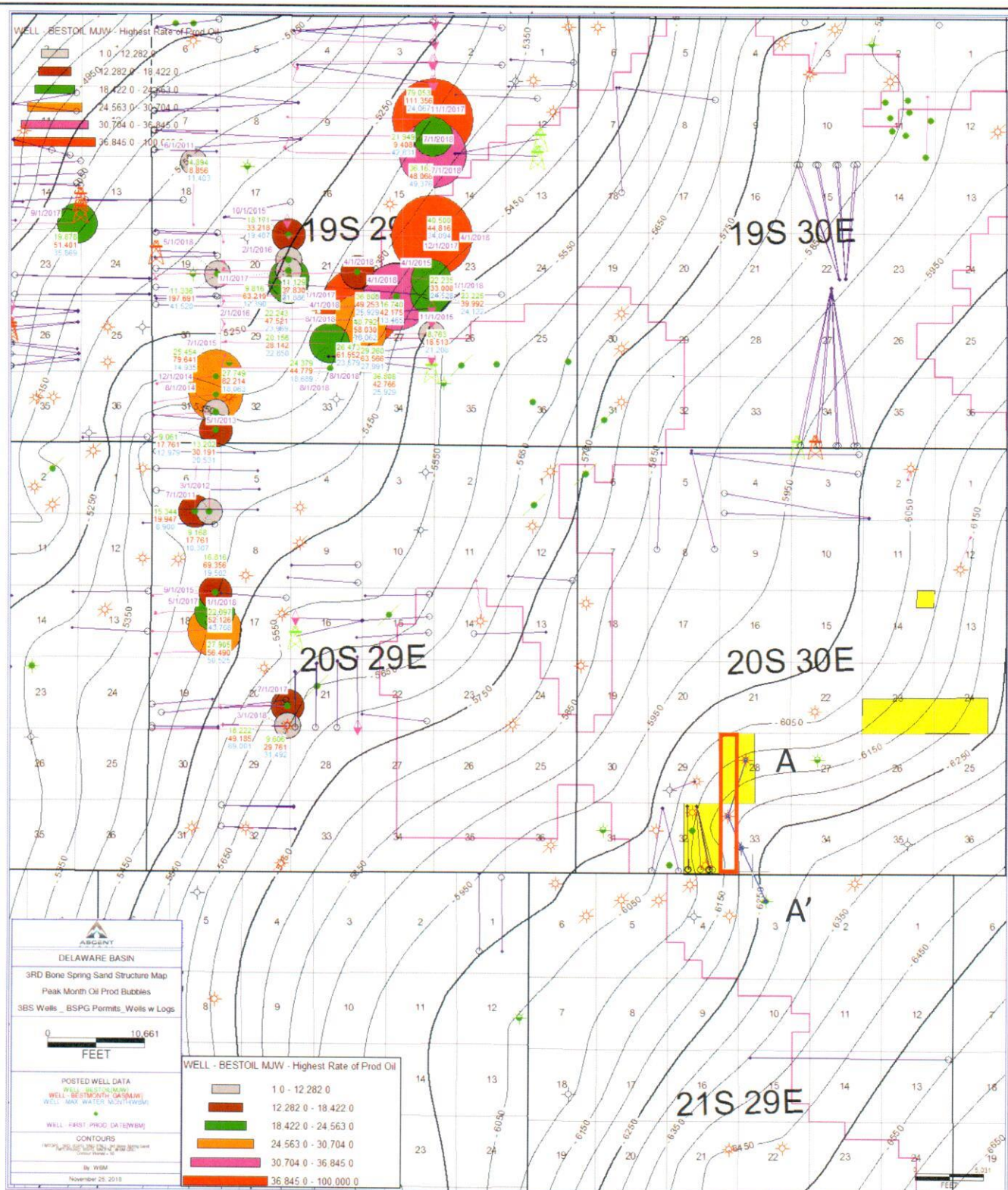
| Offset 2nd Bone Spring Sand Production Table |                                      |                          |          |       |         |            |            |                |                |                  |            |             |            |                 |            |  |
|----------------------------------------------|--------------------------------------|--------------------------|----------|-------|---------|------------|------------|----------------|----------------|------------------|------------|-------------|------------|-----------------|------------|--|
| UWI (APINum)                                 | 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   |  |
| 3001537850000                                | MEWBOURNE OIL COMPANY                | PARKWAY 26 STATE COM 4H  | 19S      | 29E   | 26      | 6/3/2010   | 9/3/2010   | 14,941         | 30,021         | 7,485            | 208,272    | 741,287     | 107,712    | E/W             | 2ND BSPG S |  |
| 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 |  |
| 3001538422000                                | 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 |  |
| 3001539188000                                | MEWBOURNE OIL COMPANY                | FOUR PEAKS 35 FEDE 1H    | 19S      | 29E   | 35      | 9/19/2011  | 11/26/2011 | 14,814         | 32,295         | 18,794           | 136,425    | 398,811     | 169,163    | E/W             | 2ND BSPG S |  |
| 3001539822000                                | MEWBOURNE OIL COMPANY                | SHARPS 3 FEDERAL C 2H    | 20S      | 29E   | 3       | 2/26/2012  | 5/29/2012  | 8,518          | 16,815         | 28,969           | 90,149     | 246,294     | 221,976    | E/W             | 2ND BSPG S |  |
| 3001539420000                                | MEWBOURNE OIL COMPANY                | FOUR PEAKS 35 FEDE 2H    | 19S      | 29E   | 35      | 4/15/2012  | 6/12/2012  | 12,235         | 17,089         | 19,355           | 107,794    | 212,666     | 166,753    | E/W             | 2ND BSPG S |  |
| 3001539511000                                | EOG Y RESOURCES INC                  | HANAGAN APL 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 |  |
| 3001539575000                                | EOG Y RESOURCES INC                  | ANTHILL AAK STATE CO 2H  | 20S      | 29E   | 2       | 4/19/2012  | 7/15/2012  | 18,082         | 30,194         | 14,534           | 197,315    | 650,666     | 290,399    | E/W             | 2ND BSPG S |  |
| 3001539786000                                | COLGATE OPERATING LLC                | OSAGE 34 FEDERAL 4H      | 19S      | 29E   | 34      | 5/11/2012  | 8/12/2012  | 14,684         | 42,582         | 24,036           | 136,263    | 551,321     | 213,660    | E/W             | 2ND BSPG S |  |
| 3001540404000                                | 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 |  |
| 3001539785010                                | COLGATE OPERATING LLC                | OSAGE 34 FEDERAL 3H      | 19S      | 29E   | 34      | 8/25/2012  | 11/9/2012  | 10,414         | 15,834         | 7,285            | 91,167     | 391,244     | 63,306     | E/W             | 2ND BSPG S |  |
| 3001540253000                                | 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 |  |
| 3001540216000                                | DEVON ENERGY PRODUCTION COMPANY L P  | TURQUOISE PWU 27 4H      | 19S      | 29E   | 27      | 7/24/2012  | 11/18/2012 | 9,072          | 36,800         | 9,813            | 102,220    | 385,305     | 97,476     | E/W             | 2ND BSPG S |  |
| 3001540586010                                | 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 |  |
| 3001540734000                                | COLGATE OPERATING LLC                | PARKWAY 35 FEDERAL 3H    | 19S      | 29E   | 35      | 9/28/2012  | 12/27/2012 | 6,306          | 13,923         | 13,919           | 72,419     | 284,705     | 163,132    | E/W             | 2ND BSPG S |  |
| 3001541028000                                | 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 |  |
| 3001540933000                                | 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 |  |
| 3001540666000                                | MEWBOURNE OIL COMPANY                | SHARPS 3 IL FEDERA 1H    | 20S      | 29E   | 3       | 3/3/2013   | 5/5/2013   | 12,734         | 19,094         | 28,705           | 80,973     | 242,608     | 167,818    | E/W             | 2ND BSPG S |  |
| 3001539237000                                | COLGATE OPERATING LLC                | PARKWAY 36 STATE 4H      | 19S      | 29E   | 36      | 3/14/2013  | 6/8/2013   | 11,763         | 35,807         | 21,684           | 125,794    | 492,398     | 364,467    | E/W             | 2ND BSPG S |  |
| 3001540731000                                | EOG Y RESOURCES INC                  | ANTHILL AAK STATE CO 4H  | 20S      | 29E   | 2       | 1/12/2013  | 6/30/2013  | 11,037         | 31,051         | 18,940           | 115,592    | 437,557     | 295,451    | E/W             | 2ND BSPG S |  |
| 3001539236000                                | COLGATE OPERATING LLC                | PARKWAY 36 STATE 3H      | 19S      | 29E   | 36      | 4/22/2013  | 7/25/2013  | 9,288          | 22,896         | 21,821           | 96,235     | 401,443     | 401,249    | E/W             | 2ND BSPG S |  |
| 3001541252000                                | COLGATE OPERATING LLC                | MERIDIAN FEDERAL COM 2H  | 20S      | 29E   | 3       | 5/6/2013   | 8/21/2013  | 9,944          | 22,042         | 17,069           | 91,610     | 296,174     | 202,718    | E/W             | 2ND BSPG S |  |
| 3001541157000                                | 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 |  |
| 3001541377000                                | COLGATE OPERATING LLC                | PARKWAY 35 FEDERAL C 5H  | 19S      | 29E   | 34      | 6/23/2013  | 9/14/2013  | 4,528          | 21,537         | 18,219           | 32,904     | 306,576     | 246,993    | E/W             | 2ND BSPG S |  |
| 3001540333010                                | DEVON ENERGY PRODUCTION COMPANY L P  | BELLATRIX 28 FEDER 3H    | 19S      | 31E   | 29      | 5/18/2013  | 9/22/2013  | 14,125         | 12,186         | 24,591           | 124,849    | 246,036     | 303,125    | E/W             | 2ND BSPG S |  |
| 3001540334000                                | DEVON ENERGY PRODUCTION COMPANY L P  | BELLATRIX 28 FEDER 4H    | 19S      | 31E   | 29      | 6/6/2013   | 10/4/2013  | 19,954         | 19,935         | 35,950           | 146,746    | 260,124     | 417,104    | E/W             | 2ND BSPG S |  |
| 3001540501000                                | DEVON ENERGY PRODUCTION COMPANY L P  | TURQUOISE PWU 27 3H      | 19S      | 29E   | 27      | 8/8/2013   | 10/24/2013 | 11,320         | 21,583         | 14,296           | 97,196     | 315,977     | 120,337    | E/W             | 2ND BSPG S |  |
| 3001540426000                                | 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 |  |
| 3001541508000                                | COLGATE OPERATING LLC                | OSAGE 34 FEDERAL 1H      | 19S      | 29E   | 34      | 7/22/2013  | 12/21/2013 | 9,106          | 33,019         | 11,276           | 124,824    | 645,889     | 164,138    | E/W             | 2ND BSPG S |  |
| 3001541420000                                | 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 |  |
| 3001541749000                                | MEWBOURNE OIL COMPANY                | SHARPS 3 HE FEDERAL 1H   | 20S      | 29E   | 3       | 1/1/2014   | 3/15/2014  | 9,670          | 15,777         | 20,171           | 89,234     | 273,652     | 170,783    | E/W             | 2ND BSPG S |  |
| 3001539801000                                | EOG Y RESOURCES INC                  | HANAGAN APL 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 |  |
| 3001538460000                                | MEWBOURNE OIL COMPANY                | PARKWAY 26 STATE C 5H    | 19S      | 29E   | 26      | 3/19/2014  | 4/29/2014  | 24,226         | 51,274         | 13,555           | 157,002    | 734,442     | 94,337     | E/W             | 2ND BSPG S |  |
| 3001541798000                                | BOPCO LIMITED PARTNERSHIP            | BIG EDDY UNIT D128 254H  | 21S      | 29E   | 15      | 12/15/2013 | 5/12/2014  | 23,864         | 37,962         | 40,514           | 191,818    | 416,327     | 386,274    | E/W             | 2ND BSPG S |  |
| 3001541938000                                | 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 |  |
| 3001541238000                                | COG OPERATING LIMITED LIABILITY CORP | SHOELESS JOE 32 STAT 2H  | 19S      | 30E   | 32      | 3/25/2014  | 6/21/2014  | 14,774         | 25,606         | 29,943           | 139,781    | 509,453     | 438,901    | E/W             | 2ND BSPG S |  |
| 3001541830000                                | 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 |  |
| 3001539241000                                | EOG Y RESOURCES INC                  | NUCLEUS BGN FEDERAL 001H | 19S      | 30E   | 31      | 4/8/2014   | 9/2/2014   | 14,269         | 20,502         | 29,676           | 99,652     | 255,257     | 294,331    | E/W             | 2ND BSPG S |  |
| 3001539421000                                | EOG Y RESOURCES INC                  | FOCUS BOB 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 |  |
| 3001541937000                                | 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 |  |
| 3001542479000                                | BOPCO LIMITED PARTNERSHIP            | BIG EDDY UNIT D14 270H   | 20S      | 31E   | 5       | 7/10/2014  | 11/9/2014  | 10,023         | 13,427         | 44,857           | 70,612     | 128,506     | 289,074    | E/W             | 2ND BSPG S |  |
| 3001542568000                                | BOPCO LIMITED PARTNERSHIP            | BIG EDDY UNIT D128 277H  | 21S      | 29E   | 15      | 8/16/2014  | 1/7/2015   | 17,152         | 35,358         | 48,923           | 154,631    | 411,429     | 310,285    | E/W             | 2ND BSPG S |  |
| 3001542705000                                | 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 |  |
| 3001542533000                                | 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     | 403,577    | E/W             | 2ND BSPG S |  |
| 3001542736000                                | 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     | 414,080    | E/W             | 2ND BSPG S |  |
| 3001542735000                                | 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 |  |
| 3001542638000                                | BOPCO LIMITED PARTNERSHIP            | BIG EDDY UNIT D14 269H   | 20S      | 31E   | 5       | 11/2/2014  | 11/17/2016 | 16,188         | 25,576         | 35,018           | 133,177    | 245,190     | 372,054    | E/W             | 2ND BSPG S |  |
| 3001542652000                                | BOPCO LIMITED PARTNERSHIP            | BIG EDDY UNIT D14 271H   | 20S      | 31E   | 5       | 10/29/2014 | 11/17/2016 | 11,114         | 18,082         | 26,551           | 109,025    | 197,098     | 272,721    | E/W             | 2ND BSPG S |  |
| 3001538226010                                | 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 |  |
| 3001538244010                                | 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    | 469,677     | 366,657    | N/S             | 2ND BSPG S |  |
| 3001538295010                                | COG OPERATING LIMITED LIABILITY CORP | BIRDSEYE 32 STATE 1H     | 19S      | 31E   | 32      | 3/18/2011  | 5/26/2011  | 21,634         | 42,951         | 37,166           | 185,012    | 434,123     | 346,901    | N/S             | 2ND BSPG S |  |
| 3001538465010                                | 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 |  |
| 3001539245000                                | 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 |  |
| 3001539387000                                | 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 |  |
| 3001540789000                                | 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 |  |
| 3001540954000                                | COG OPERATING LIMITED LIABILITY CORP | BIRDSEYE 32 STATE 2H     | 19S      | 31E   | 32      | 2/26/2013  | 5/7/2013   | 20,920         | 30,058         | 30,630           | 173,675    | 399,521     | 311,476    | N/S             | 2ND BSPG S |  |
| 3001540891000                                | 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 |  |
| 3001541290000                                | 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 |  |
| 3001541829000                                | 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 |  |
| 3001541810000                                | 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 |  |
| 3001541811000                                | 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 |  |
| 3001541569000                                | 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     | 414,645    | N/S             | 2ND BSPG S |  |
| 3001542323000                                | 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 |  |
| 3001541538000                                | COG OPERATING LIMITED LIABILITY CORP | RUNNING BUFFALO 1 FE 1H  | 21S      | 28E   | 1       | 6/14/2014  | 9/21/2014  | 6,137          | 18,889         |                  |            |             |            |                 |            |  |



## 3<sup>rd</sup> Bone Spring Sand

- W2 W2
- Anvil Fed Com 601H





320 Acre Horizontal Spacing Unit

- Treated Well
- Well at TD
- Well Spud

Ascent Energy, LLC

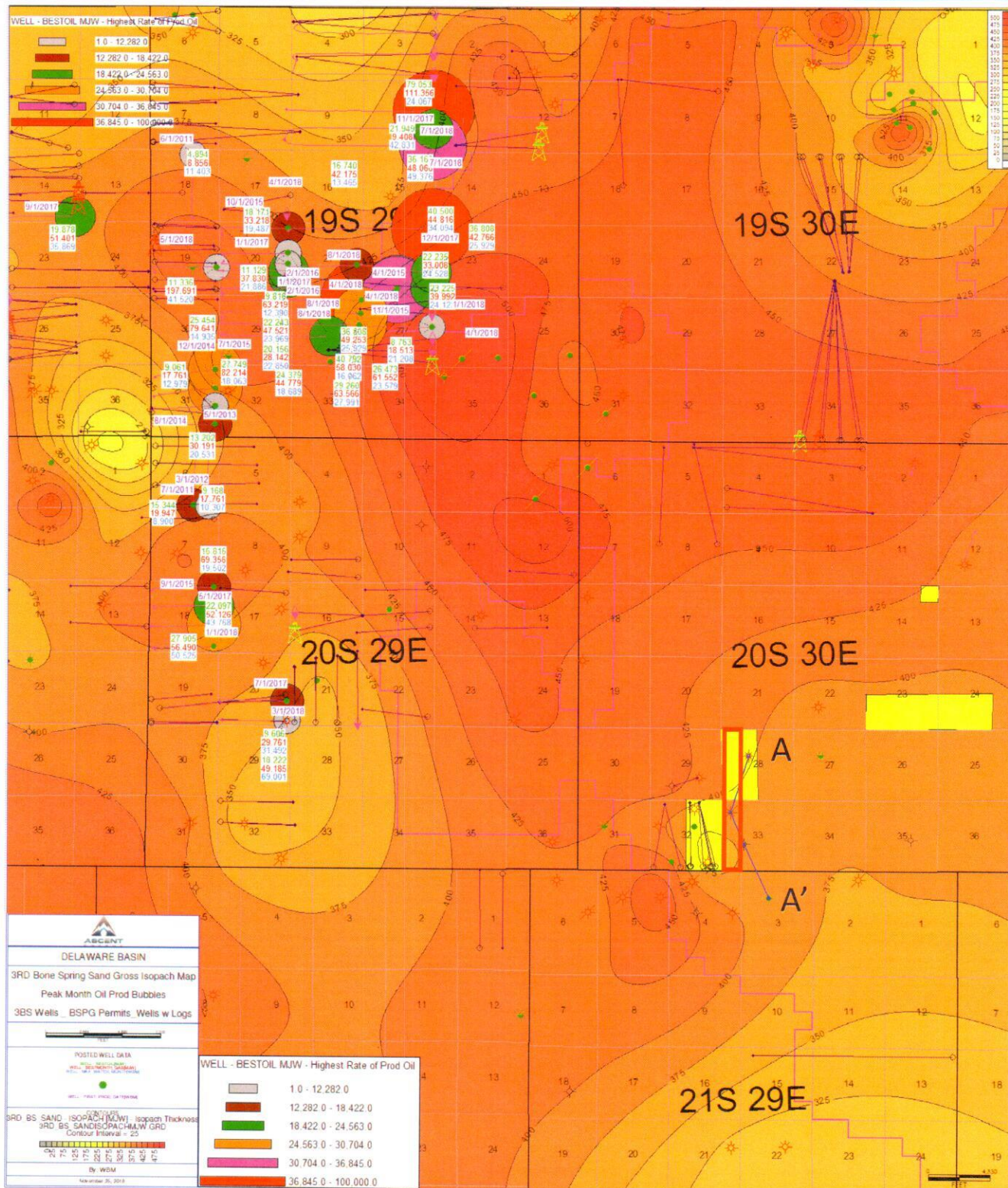


Case No. **Exhibit**  
3rd Bone Spring Sand Structure  
Producing 3rd Bone Spring Sand Wells &  
Bone Spring Permits

CI = 50'

Nov 25, 2018





320 Acre Horizontal Spacing Unit



Treated Well

Well at TD

Well Spud

Ascent Energy, LLC



Case No. **Exhibit**

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

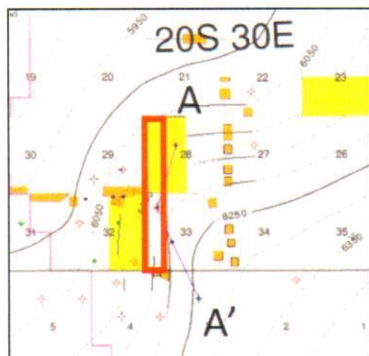
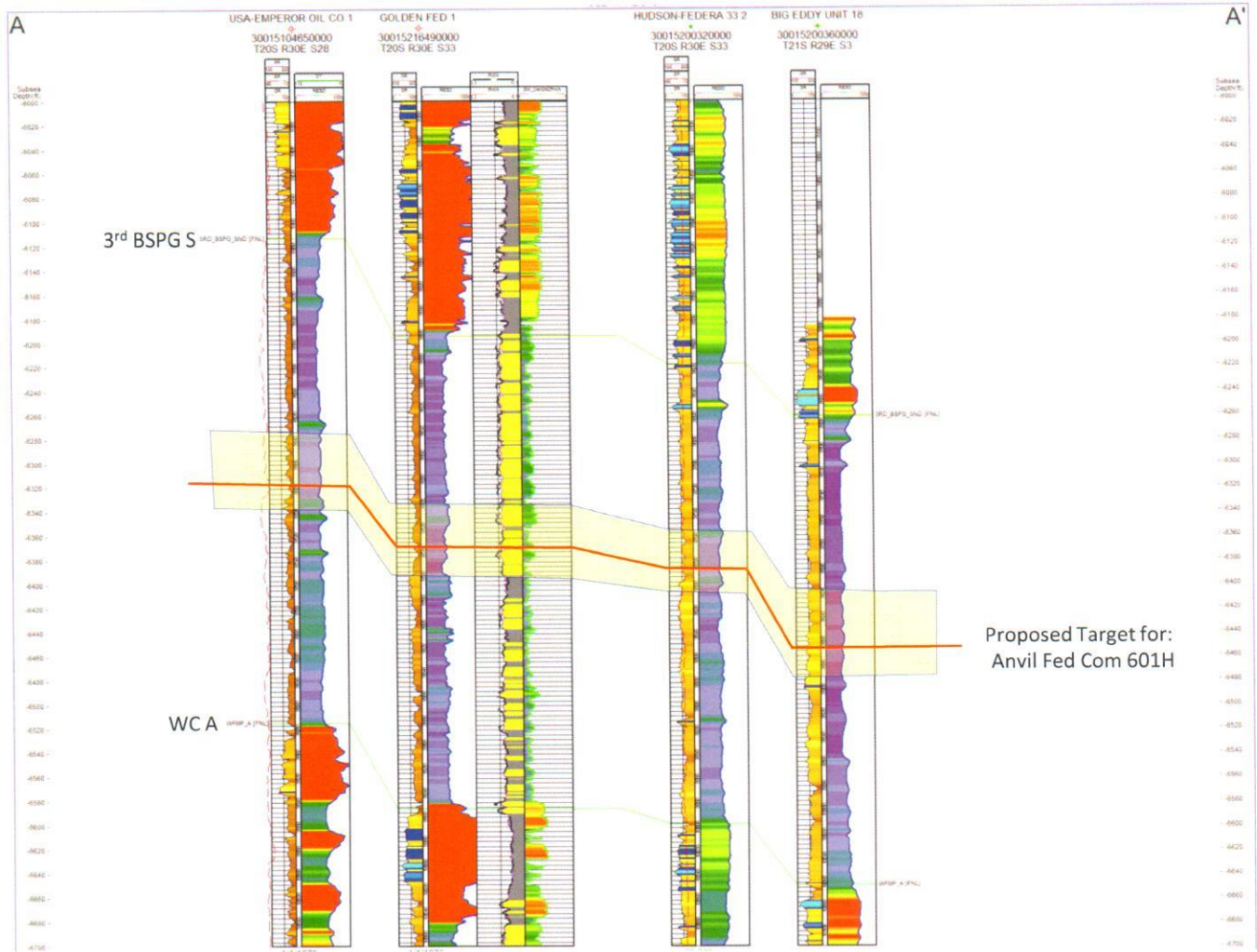
CI = 25'

Nov 25, 2018









|                                                       |         |
|-------------------------------------------------------|---------|
| Ascent Energy, LLC                                    |         |
| Case No.                                              | Exhibit |
| Cross Section across 3 <sup>rd</sup> Bone Spring Sand |         |
| Oct 29, 2018                                          |         |



Offset 3rd Bone Spring Sand Production Table

| UWI (API#)     | Operator                             | Well Label                | Township | Range | Section | SPOD_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   |
|----------------|--------------------------------------|---------------------------|----------|-------|---------|------------|------------|--------|--------|--------|---------------------|----------------------|-----------------------|-------------------------|--------------------------|---------------------------|------------|-------------|------------|---------|------------|
| 30015382580000 | COS 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     | 241,965     | 115,262    | N/S     | 3RD B896 S |
| 30015371980000 | MEMBOURNE 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     | N/S     | 3RD B896 S |
| 30015396860000 | MEMBOURNE 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                  | 58,999                   | 23,713                    | 79,025     | 223,656     | 68,019     | N/S     | 3RD B896 S |
| 30015402420000 | MEMBOURNE OIL COMPANY                | RUGER 31 MP FEDERAL 1H    | 19S      | 29E   | 31      | 2/28/2013  | 5/10/2013  | 440    | 639    | 1,214  | 13,202              | 30,191               | 20,551                | 45,463                  | 150,333                  | 47,788                    | 102,671    | 580,118     | 122,098    | E/W     | 3RD B896 S |
| 30015416790000 | MEMBOURNE OIL COMPANY                | RUGER 31 U FEDERAL 1H     | 19S      | 29E   | 31      | 6/27/2014  | 8/24/2014  | 557    | 799    | 1,220  | 9,161               | 17,761               | 12,979                | 38,873                  | 80,124                   | 46,359                    | 77,502     | 300,271     | 94,411     | E/W     | 3RD B896 S |
| 30015425950000 | MEMBOURNE OIL COMPANY                | RUGER 31 B35EH FEDERAL 2H | 19S      | 29E   | 31      | 10/16/2014 | 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    | E/W     | 3RD B896 S |
| 30015428901000 | DEVON ENERGY PRODUCTION COMPANY L.P. | DIAMOND PMU 27 11H        | 19S      | 29E   | 21      | 3/14/2015  | 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    | E/W     | 3RD B896 S |
| 30015430630000 | MEMBOURNE OIL COMPANY                | RUGER 31 B3DA FEDERAL 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    | E/W     | 3RD B896 S |
| 30015429690000 | MEMBOURNE OIL COMPANY                | DERRINGER 18 B3DA FE 2H   | 20S      | 29E   | 18      | 7/9/2015   | 9/10/2015  | 744    | 977    | 1,831  | 16,816              | 68,356               | 19,502                | 71,904                  | 239,074                  | 65,116                    | 203,408    | 1,059,402   | 287,183    | E/W     | 3RD B896 S |
| 30015429460000 | DEVON ENERGY PRODUCTION COMPANY L.P. | EMERALD PMU 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    | 576,652     | 142,970    | E/W     | 3RD B896 S |
| 30015433210000 | DEVON ENERGY PRODUCTION COMPANY L.P. | TURQUOSE PMU 27 10H       | 19S      | 29E   | 28      | 9/18/2015  | 12/16/2015 | 338    | 793    | 1,228  | 8,763               | 18,513               | 21,208                | 32,898                  | 70,505                   | 102,366                   | 88,577     | 187,829     | 229,009    | E/W     | 3RD B896 S |
| 30015433220000 | DEVON ENERGY PRODUCTION COMPANY L.P. | EMERALD PMU 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    | E/W     | 3RD B896 S |
| 30015433820000 | DEVON ENERGY PRODUCTION COMPANY L.P. | EMERALD PMU 20 66H        | 19S      | 29E   | 20      | 10/8/2015  | 2/21/2016  | 727    | 1,037  | 694    | 20,156              | 28,142               | 22,850                | 62,895                  | 127,711                  | 57,845                    | 169,977    | 424,150     | 239,811    | E/W     | 3RD B896 S |
| 30015433720000 | DEVON ENERGY PRODUCTION COMPANY L.P. | EMERALD PMU 20 62H        | 19S      | 29E   | 20      | 10/29/2015 | 1/24/2017  | 478    | 311    | 1,065  | 22,243              | 47,521               | 23,969                | 81,068                  | 206,013                  | 77,142                    | 149,870    | 485,675     | 171,296    | E/W     | 3RD B896 S |
| 30015433710000 | DEVON ENERGY PRODUCTION COMPANY L.P. | EMERALD PMU 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    | E/W     | 3RD B896 S |
| 30015435780000 | MEMBOURNE 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                | 81,363                  | 245,715                  | 145,767                   | 146,420    | 408,087     | 263,136    | E/W     | 3RD B896 S |
| 30015441330000 | 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     | 253,497    | E/W     | 3RD B896 S |
| 30015441750000 | MATADOR PRODUCTION COMPANY           | STEBBINS 20 FEDERAL 134H  | 20S      | 29E   | 20      | 8/31/2017  | 11/8/2017  | 647    | 1,354  | 3,120  | 9,066               | 29,761               | 31,492                | 5 Months                | 5 Months                 | 5 Months                  | 38,216     | 134,696     | 130,624    | E/W     | 3RD B896 S |
| 30015441090100 | DEVON USA WTP LP                     | TURKEY TRACK 032H         | 19S      | 29E   | 8       | 7/14/2017  | 12/2/2017  | 2,824  | 3,480  | 990    | 79,053              | 111,356              | 24,067                | 306,482                 | 519,466                  | 63,105                    | 379,256    | 688,348     | 63,105     | E/W     | 3RD B896 S |
| 30015442010000 | DEVON ENERGY PRODUCTION COMPANY L.P. | AGATE PMU 21 22 062H      | 19S      | 29E   | 20      | 7/15/2017  | NR         | 1,319  | 1,950  | NR     | 23,225              | 39,992               | 24,122                | 93,545                  | 132,572                  | 79,206                    | 126,651    | 211,726     | 121,661    | E/W     | 3RD B896 S |
| 30015444310000 | MEMBOURNE OIL COMPANY                | DERRINGER 18 B3U 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    | E/W     | 3RD B896 S |
| 30015441160000 | DEVON ENERGY PRODUCTION COMPANY L.P. | AGATE PMU 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    | E/W     | 3RD B896 S |
| 30015442000000 | DEVON ENERGY PRODUCTION COMPANY L.P. | AGATE PMA 21 011H         | 19S      | 29E   | 20      | 6/28/2017  | 1/31/2018  | 1,056  | 2,232  | 720    | 16,740              | 47,175               | 13,465                | 5 Months                | 5 Months                 | 5 Months                  | 61,479     | 185,753     | 49,457     | E/W     | 3RD B896 S |
| 30015440970100 | DEVON ENERGY PROD                    | EMERALD PMU 20 22 012H    | 19S      | 29E   | 20      | 9/22/2017  | 4/15/2018  | 1,320  | 2,088  | 816    | 36,808              | 42,766               | 25,219                | 5 Months                | 5 Months                 | 5 Months                  | 132,779    | 191,406     | 72,624     | E/W     | 3RD B896 S |
| 30015440980000 | DEVON ENERGY PRODUCTION COMPANY L.P. | ONYX PMU 25-28 009H       | 19S      | 29E   | 29      | 9/6/2017   | 4/21/2018  | 1,008  | 2,088  | 1,320  | 40,792              | 58,030               | 16,062                | 5 Months                | 5 Months                 | 5 Months                  | 116,478    | 182,626     | 55,485     | E/W     | 3RD B896 S |
| 30015443720000 | DEVON ENERGY PRODUCTION COMPANY L.P. | ONYX PMU 25-28 011H       | 19S      | 29E   | 29      | 11/29/2017 | 5/5/2018   | 1,899  | 2,820  | 904    | 24,379              | 44,779               | 18,689                | 1 Month                 | 1 Month                  | 1 Month                   | 24,379     | 44,779      | 18,689     | E/W     | 3RD B896 S |
| 30015443630000 | DEVON ENERGY PRODUCTION COMPANY L.P. | ONYX PMU 25-28 010H       | 19S      | 29E   | 29      | 8/25/2017  | 5/26/2018  | 1,464  | 2,664  | 1,080  | 29,360              | 63,566               | 27,991                | 1 Month                 | 1 Month                  | 1 Month                   | 29,360     | 63,566      | 27,991     | E/W     | 3RD B896 S |
| 30015443620000 | DEVON ENERGY PRODUCTION COMPANY L.P. | ONYX PMU 25-28 061H       | 19S      | 29E   | 29      | 8/24/2017  | 5/26/2018  | 1,464  | 2,664  | 1,080  | 26,473              | 61,552               | 23,279                | 1 Month                 | 1 Month                  | 1 Month                   | 26,473     | 61,552      | 23,279     | E/W     | 3RD B896 S |
| 30015446880000 | MATADOR PRODUCTION COMPANY           | MARBOR 19 STATE COM 133H  | 19S      | 29E   | 19      | 3/28/2018  | 5/29/2018  | 555    | 1,175  | 1,385  | 11,336              | 197,691              | 41,520                | 4 Months                | 4 Months                 | 4 Months                  | 29,406     | 247,532     | 99,418     | E/W     | 3RD B896 S |
| 30015443550000 | DEVON ENERGY PROD                    | ONYX PMU 25 28 012H       | 19S      | 29E   | 29      | 11/18/2017 | 9/6/2018   | 1,178  | 1,776  | 980    | IP24 Only           | IP24 Only            | IP24 Only             | IP24 Only               | IP24 Only                | IP24 Only                 | 29,406     | 247,532     | 99,418     | E/W     | 3RD B896 S |
| 30015448160000 | MEMBOURNE OIL CO                     | DERRINGER 18 B3MP FE 002H | 20S      | 29E   | 18      | 4/20/2018  | 9/8/2018   | 433    | 1,094  | 2,290  | IP24 Only           | IP24 Only            | IP24 Only             | IP24 Only               | IP24 Only                | IP24 Only                 | 29,406     | 247,532     | 99,418     | E/W     | 3RD B896 S |
| 30015441940000 | DEVON USA WTP LP                     | TRUKEY TRACK 9 10 ST 033H | 19S      | 29E   | 8       | 5/9/2018   | NR         | NR     | NR     | NR     | 27,737              | 35,492               | 33,881                | 3 Months                | 3 Months                 | 3 Months                  | 56,231     | 44,900      | 89,122     | E/W     | 3RD B896 S |
| 30015441950000 | DEVON USA WTP LP                     | TURKEY TRACK 9 10 ST 034H | 19S      | 29E   | 8       | 5/8/2018   | NR         | NR     | NR     | NR     | 36,163              | 48,068               | 49,376                | 2 Months                | 2 Months                 | 2 Months                  | 69,035     | 48,068      | 67,046     | E/W     | 3RD B896 S |

Ascent Energy, LLC

Case No.

Exhibit

3rd Bone Spring Sand Production Data Table

Nov 25, 2018



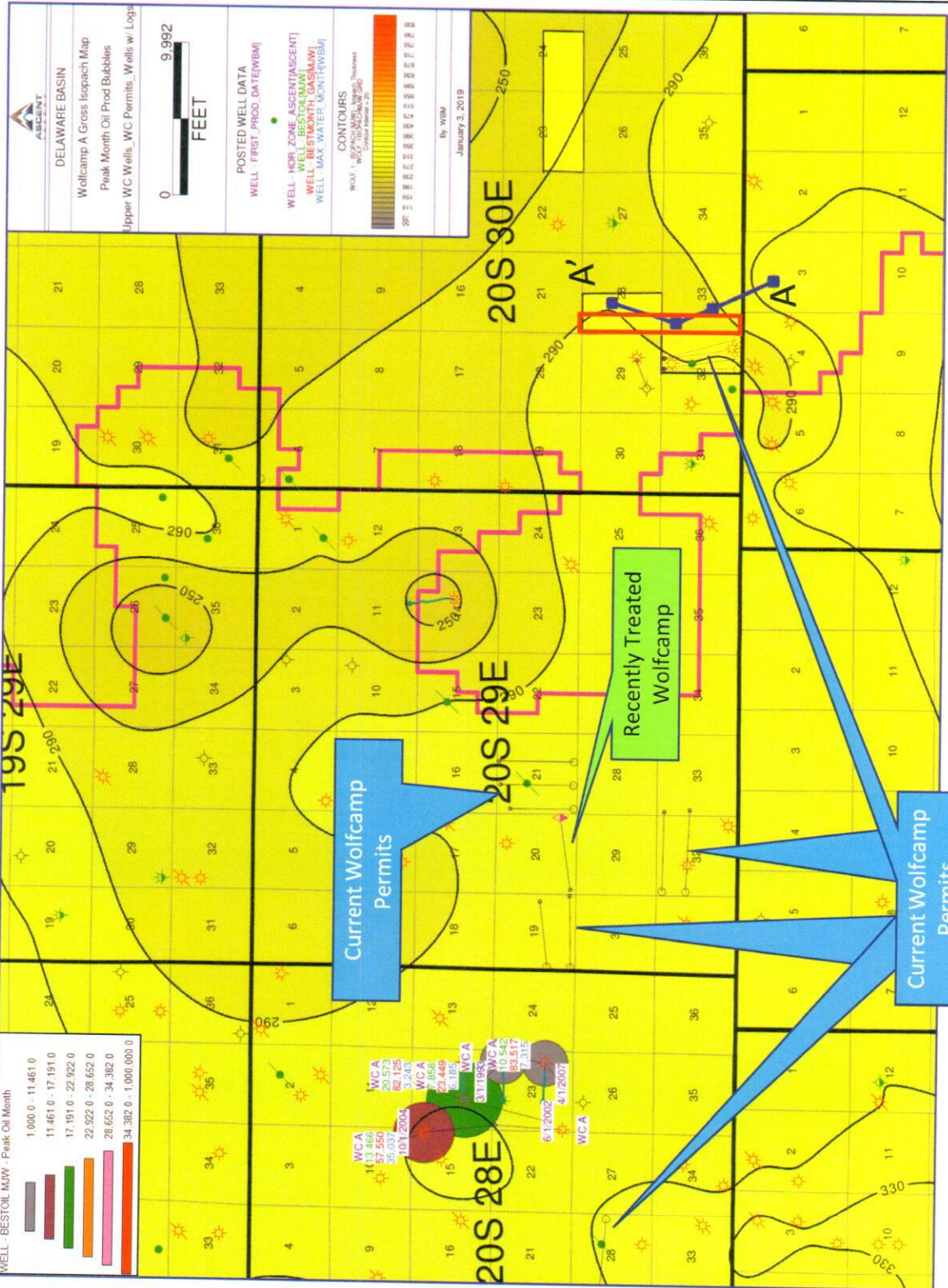
## Wolfcamp

- W2 W2
- Anvil Fed Com 701H
- Anvil Fed Com 702H







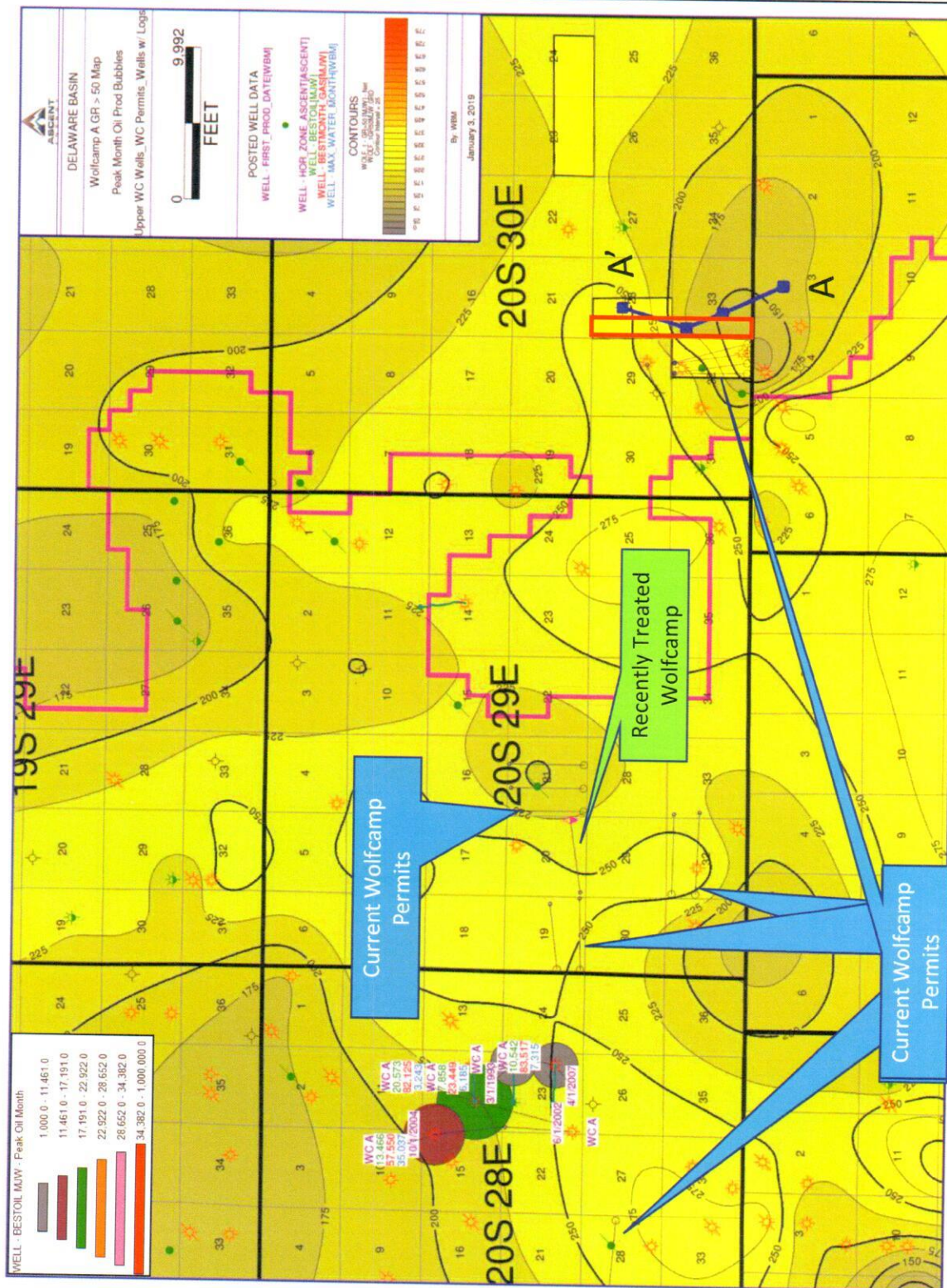


320 Acre Horizontal Spacing Unit

- Treated Well
- Well at TD
- Well Spud

|                                                                                                   |             |
|---------------------------------------------------------------------------------------------------|-------------|
| Ascent Energy, LLC                                                                                |             |
| Case No.                                                                                          | Exhibit     |
| Wolfcamp A Gross Isopach<br>Producing Wolfcamp XY Sand and Wolfcamp A Wells &<br>Wolfcamp Permits |             |
| CI = 20'                                                                                          | Jan 3, 2019 |

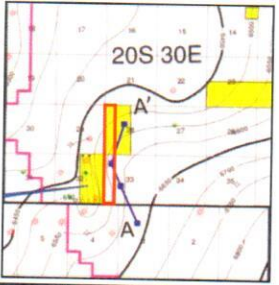
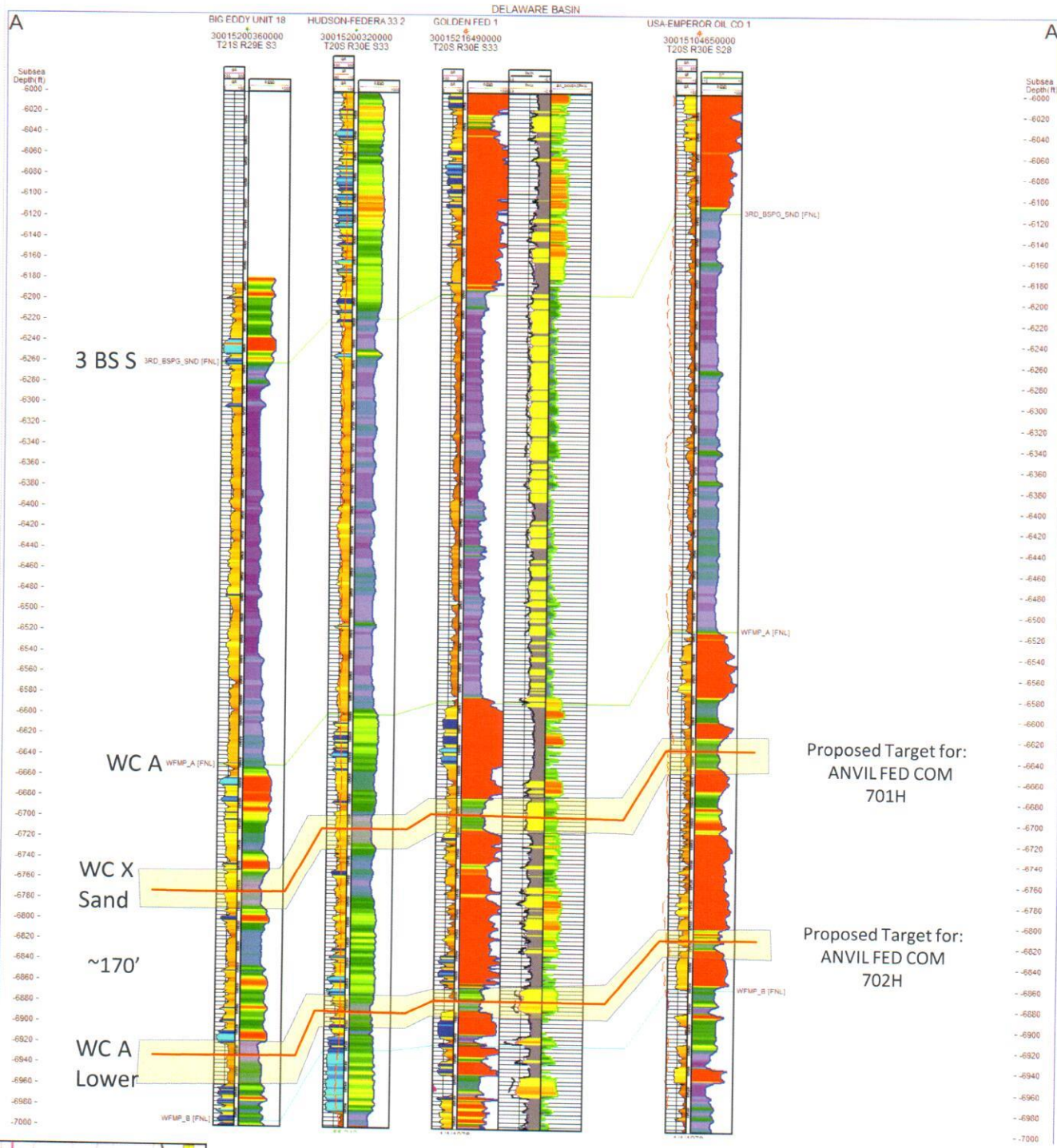




|                                                                                          |             |
|------------------------------------------------------------------------------------------|-------------|
| Ascent Energy, LLC                                                                       |             |
| Case No.                                                                                 | Exhibit     |
| Wolfcamp A GR > 50<br>Producing Wolfcamp XY Sand and Wolfcamp A Wells & Wolfcamp Permits |             |
| CI = 25'                                                                                 | Jan 3, 2019 |

4





|                                 |         |
|---------------------------------|---------|
| Ascent Energy, LLC              |         |
| Case No.                        | Exhibit |
| Cross Section across Wolfcamp A |         |
| Nov 25, 2018                    |         |

5

Offset Wolfcamp Production Table

| UWI (API Num)  | Operator       | Well Label               | Township | Range | Section | SPUD_DATE  | COMP_DATE  | PEAK OIL MONTH | PEAK GAS MONTH | PEAK WATER MONTH | CUM OIL BO | CUM GAS MCF | CUM WTR BW | LATERAL_ AZIMUTH | HOR_ZONE_ |
|----------------|----------------|--------------------------|----------|-------|---------|------------|------------|----------------|----------------|------------------|------------|-------------|------------|------------------|-----------|
| 30015212420100 | OXY USA WTP LP | GOVERNMENT Z COM 1       | 20S      | 28E   | 23      | 12/15/2006 | 5/10/2007  | 10,542         | 83,517         | 7,315            | 100,478    | 419,072     | 202,662    | E/W              | WC A      |
| 30015212860100 | OXY USA WTP LP | GOVERNMENT AA COM 1      | 20S      | 28E   | 23      | 11/7/2006  | 2/19/2007  | 7,858          | 23,449         | 6,185            | 88,954     | 692,746     | 134,822    | E/W              | WC A      |
| 30015332830000 | OXY USA WTP LP | GOVERNMENT AA COM 2      | 20S      | 28E   | 23      | 4/23/2004  | 11/15/2004 | 13,466         | 57,550         | 35,037           | 195,262    | 4,907,422   | 50,234     | N/S              | WC A      |
| 30015208710002 | OXY USA WTP LP | GOVERNMENT R COM 1H      | 20S      | 28E   | 14      | 5/15/2002  | 7/3/2002   | 20,573         | 82,125         | 3,243            | 84,597     | 1,142,886   | 32,711     | E/W              | WC A      |
| 30015441770000 | MATADOR        | STEBBINS 20 FEDERAL 204H | 20S      | 29E   | 20      | 8/25/2018  | NR         | NR             | NR             | NR               | NR         | NR          | NR         |                  |           |

|                                                              |         |
|--------------------------------------------------------------|---------|
| Ascent Energy, LLC                                           |         |
| Case No.                                                     | Exhibit |
| Wolfcamp XY Sand & Wolfcamp<br>A Shale Production Data Table |         |
| Nov 25, 2018                                                 |         |



| Competing Development Plan Factors | Ascent | Apache | Comment                                                                                                             |
|------------------------------------|--------|--------|---------------------------------------------------------------------------------------------------------------------|
| Geological Evidence                | -      | -      |                                                                                                                     |
| Development Plan                   | ✓      | x      | Ascent has clearer development plan to maximize resource extraction                                                 |
| Comparison of Risk                 | -      | -      |                                                                                                                     |
| Negotiations                       | -      | -      |                                                                                                                     |
| Prudent Operator & Prevent Waste   | ✓      | x      | Ascent conforming development plan with existing drill island eliminates stranding leases.                          |
| Cost Estimates                     | -      | -      |                                                                                                                     |
| Ownership Interest                 | ✓      | x      | Apache does not own any interest in Ascent's Anvil DA. Upon closing lease trade, Ascent will have majority WI in DA |

|                          |                        |
|--------------------------|------------------------|
| Ascent Energy, LLC       |                        |
| Exhibit:                 |                        |
| Development Plan Factors |                        |
|                          | Case No. 16481 & 16482 |