

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011
Permit 246971

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

| | | |
|---|--|-------------------------------|
| 1. Operator Name and Address ASCENT ENERGY, LLC. 1621 18th St Denver, CO 80202 | | 2. OGRID Number 325830 |
| 4. Property Code 320642 | | 3. API Number 30-025-44381 |
| 5. Property Name SAN DIEGO | | 6. Well No. 502H |

7. Surface Location

| | | | | | | | | | |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| C | 6 | 18S | 36E | 3 | 130 | N | 1113 | W | Lea |

8. Proposed Bottom Hole Location

| | | | | | | | | | |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| N | 6 | 18S | 36E | N | 330 | S | 2190 | W | Lea |

9. Pool Information

| | |
|----------------------------------|-------|
| WC-025 G-07 S193513B;BONE SPRING | 97926 |
|----------------------------------|-------|

Additional Well Information

| | | | | |
|---------------------------|-----------------------------|--|-------------------------|------------------------------------|
| 11. Work Type New Well | 12. Well Type OIL | 13. Cable/Rotary | 14. Lease Type State | 15. Ground Level Elevation 3877 |
| 16. Multiple N | 17. Proposed Depth 13963 | 18. Formation Bone Spring | 19. Contractor | 20. Spud Date 8/1/2018 |
| Depth to Ground water | | Distance from nearest fresh water well | | Distance to nearest surface water |

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

| Type | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 17.5 | 13.375 | 54.5 | 1965 | 1325 | 0 |
| Int1 | 12.25 | 9.625 | 40 | 4470 | 1285 | 0 |
| Prod | 8.75 | 5.5 | 20 | 13963 | 2570 | 3470 |

Casing/Cement Program: Additional Comments

| |
|--|
| |
|--|

22. Proposed Blowout Prevention Program

| Type | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Double Ram | 3000 | 3000 | |

| | |
|--|--|
| 23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable. Signature: | OIL CONSERVATION DIVISION |
| Printed Name: Electronically filed by Jody C Robins | Approved By: Paul Kautz |
| Title: VP Drilling | Title: Geologist |
| Email Address: jrobins@ascentenergy.us | Approved Date: 1/18/2018 Expiration Date: 1/18/2020 |
| Date: 1/17/2018 Phone: 720-710-8999 | Conditions of Approval Attached |

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|----------------------------------|---|--|
| ¹ API Number | ² Pool Code 97926 | ³ Pool Name WC-025 G-07 S 193513B: BONE SPRING |
| ⁴ Property Code | ⁵ Property Name SAN DIEGO | ⁶ Well Number 502H |
| ⁷ OGRID No. 325830 | ⁸ Operator Name ASCENT ENERGY | ⁹ Elevation 3,877' |

¹⁰ Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| L3 | 6 | 18 S | 36 E | | 130 | NORTH | 1,113 | WEST | LEA |

¹¹ Bottom Hole Location If Different From Surface

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| N | 6 | 18 S | 36 E | | 330 | SOUTH | 2,190 | WEST | LEA |

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

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

| | | | |
|--|---|---|---|
| <p>16</p> <p>SHL 130' 332' A FTP</p> <p>1,113' 2,190' GRID AZ. = 99°50'01" HORIZ. DIST. = 1,095.75'</p> <p>D C SEC. 6 T18S R36E</p> <p>LTP BHL 2,190' 2,190' F E 330' 332'</p> | <p>GEODETTIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 649,981.5 X= 787,395.1 LAT.= 32.783399°N LONG.= 103.398216°W</p> <p>FIRST TAKE POINT NAD 27 NME Y= 649,794.4 X= 788,474.8 LAT.= 32.782859°N LONG.= 103.394709°W</p> <p>CORNER COORDINATES TABLE NAD 27 NME A - Y= 650,131.6 N, X= 788,848.0 E B - Y= 650,113.3 N, X= 787,527.2 E C - Y= 647,472.7 N, X= 788,870.7 E D - Y= 647,461.5 N, X= 787,591.9 E E - Y= 644,825.4 N, X= 788,893.3 E F - Y= 644,816.5 N, X= 787,619.3 E</p> <p>CORNER COORDINATES TABLE NAD 83 NME A - Y= 650,194.2 N, X= 830,026.9 E B - Y= 650,176.0 N, X= 828,706.1 E C - Y= 647,535.3 N, X= 830,049.7 E D - Y= 647,524.1 N, X= 828,770.9 E E - Y= 644,887.9 N, X= 830,072.4 E F - Y= 644,879.1 N, X= 828,798.3 E</p> <p>GEODETTIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 650,044.2 X= 828,574.0 LAT.= 32.783517°N LONG.= 103.398710°W</p> <p>FIRST TAKE POINT NAD 83 NME Y= 649,657.1 X= 829,653.7 LAT.= 32.782976°N LONG.= 103.395203°W</p> <p>LAST TAKE POINT NAD 27 NME Y= 645,154.9 X= 788,531.1 LAT.= 32.770106°N LONG.= 103.394659°W</p> <p>BOTTOM HOLE LOCATION NAD 27 NME Y= 645,152.9 X= 788,531.1 LAT.= 32.770100°N LONG.= 103.394659°W</p> <p>LAST TAKE POINT NAD 83 NME Y= 645,217.4 X= 829,710.1 LAT.= 32.770224°N LONG.= 103.395153°W</p> <p>BOTTOM HOLE LOCATION NAD 83 NME Y= 645,215.4 X= 829,710.1 LAT.= 32.770218°N LONG.= 103.395153°W</p> | <p>17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Dean Gimbel</i> 01-17-2018 Signature Date</p> <p>Dean Gimbel Printed Name</p> <p>dgimbel@ascentenergy.us E-mail Address</p> | |
| | | <p>18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>01-16-2018 Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p>MARK DILLON HARP 23786 Certificate Number</p> <p>AW 2017122093</p> | <p>MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR</p> |

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Form APD Comments

Permit 246971

PERMIT COMMENTS

| | | |
|--|-------------------------|-----------------------------|
| Operator Name and Address: ASCENT ENERGY, LLC. [325830] 1621 18th St Denver, CO 80202 | | API Number: 30-025-44381 |
| | | Well: SAN DIEGO #502H |
| Created By | Comment | Comment Date |
| pkautz | GCP Received 01/17/2018 | 1/18/2018 |

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Form APD Conditions

Permit 246971

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

PERMIT CONDITIONS OF APPROVAL

| | |
|--|-----------------------------|
| Operator Name and Address: ASCENT ENERGY, LLC. [325830] 1621 18th St Denver, CO 80202 | API Number: 30-025-44381 |
| | Well: SAN DIEGO #502H |

| OCD Reviewer | Condition |
|-----------------|---|
| pkautz | Will require a directional survey with the C-104 |
| pkautz | 1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing -- |
| pkautz | If cement does not circulate to surface, must run temperature survey or other log to determine top of cement |
| pkautz | Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water |
| pkautz | 1)- The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104 |
| pkautz | It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD. |
| pkautz | Stage Tool - 1) Must notify OCD Hobbs Office prior to running Stage Tool at 575-370-3186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe. |