

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 251847

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

1. Operator Name and Address ASCENT ENERGY, LLC. 14982 Melco Ave Parker, CO 80134		2. OGRID Number 325830
4. Property Code 319772		3. API Number 30-025-44785
5. Property Name TOQUE STATE COM		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
L	6	21S	33E	17	2516	S	320	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
M	7	21S	33E	4	330	S	340	W	Lea

9. Pool Information

WC-025 G-08 S213304D;BONE SPRING	97895
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3775
16. Multiple N	17. Proposed Depth 18275	18. Formation Bone Spring	19. Contractor	20. Spud Date 9/15/2018
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	1630	1000	0
Int1	12.615	9.625	40	4900	1200	0
Prod	8.75	5.5	20	18275	1750	0

Casing/Cement Program: Additional Comments

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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 ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature:	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Jody C Robins	Approved By: Paul F Kautz
Title: VP Drilling	Title: Geologist
Email Address: jrobins@ascentenergy.us	Approved Date: 5/16/2018 Expiration Date: 5/16/2020
Date: 5/4/2018 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 97895	³ Pool Name WC-025 G-08 S213304D; BONE SPRING
⁴ Property Code	⁵ Property Name TOQUE STATE COM	⁶ Well Number 502H
⁷ OGRID No. 325830	⁸ Operator Name ASCENT ENERGY	⁹ Elevation 3,775'

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
L17	6	21 S	33 E		2,516	SOUTH	320	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
L4	7	21 S	33 E		330	SOUTH	340	WEST	LEA

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

16 SEC. 6 T21S R33E SEC. 7 T21S R33E SEC. 18	GEODETIC COORDINATES <table border="0" style="width: 100%;"> <tr> <td>NAD 27 NME</td> <td>NAD 83 NME</td> </tr> <tr> <td>SURFACE LOCATION</td> <td>SURFACE LOCATION</td> </tr> <tr> <td>Y = 549,076.9</td> <td>Y = 549,137.9</td> </tr> <tr> <td>X = 720,424.2</td> <td>X = 761,605.4</td> </tr> <tr> <td>LAT. = 32.507491°N</td> <td>LAT. = 32.507611°N</td> </tr> <tr> <td>LONG. = 103.618317°W</td> <td>LONG. = 103.618808°W</td> </tr> </table> FIRST TAKE POINT <table border="0" style="width: 100%;"> <tr> <td>NAD 27 NME</td> <td>NAD 83 NME</td> </tr> <tr> <td>Y = 548,866.2</td> <td>Y = 548,927.2</td> </tr> <tr> <td>X = 720,446.2</td> <td>X = 761,627.4</td> </tr> <tr> <td>LAT. = 32.506911°N</td> <td>LAT. = 32.507032°N</td> </tr> <tr> <td>LONG. = 103.618250°W</td> <td>LONG. = 103.618741°W</td> </tr> </table> CORNER COORDINATES TABLE NAD 27 NME <table border="0" style="width: 100%;"> <tr><td>A - Y = 549,202.0 N, X = 721,276.3 E</td></tr> <tr><td>B - Y = 549,196.6 N, X = 720,103.1 E</td></tr> <tr><td>C - Y = 546,563.4 N, X = 721,299.8 E</td></tr> <tr><td>D - Y = 546,560.0 N, X = 720,126.9 E</td></tr> <tr><td>E - Y = 543,922.9 N, X = 721,317.9 E</td></tr> <tr><td>F - Y = 543,917.2 N, X = 720,138.9 E</td></tr> <tr><td>G - Y = 541,280.5 N, X = 721,339.6 E</td></tr> <tr><td>H - Y = 541,273.5 N, X = 720,157.3 E</td></tr> </table> CORNER COORDINATES TABLE NAD 83 NME <table border="0" style="width: 100%;"> <tr><td>A - Y = 549,263.0 N, X = 762,457.5 E</td></tr> <tr><td>B - Y = 549,257.6 N, X = 761,284.3 E</td></tr> <tr><td>C - Y = 546,624.4 N, X = 762,481.1 E</td></tr> <tr><td>D - Y = 546,621.0 N, X = 761,308.2 E</td></tr> <tr><td>E - Y = 543,983.8 N, X = 762,499.3 E</td></tr> <tr><td>F - Y = 543,978.1 N, X = 761,320.2 E</td></tr> <tr><td>G - Y = 541,341.3 N, X = 762,521.0 E</td></tr> <tr><td>H - Y = 541,334.3 N, X = 761,338.7 E</td></tr> </table> LAST TAKE POINT <table border="0" style="width: 100%;"> <tr> <td>NAD 27 NME</td> <td>NAD 83 NME</td> </tr> <tr> <td>Y = 541,607.5</td> <td>Y = 541,668.3</td> </tr> <tr> <td>X = 720,494.9</td> <td>X = 761,676.3</td> </tr> <tr> <td>LAT. = 32.486958°N</td> <td>LAT. = 32.487079°N</td> </tr> <tr> <td>LONG. = 103.618250°W</td> <td>LONG. = 103.618740°W</td> </tr> </table> BOTTOM HOLE LOCATION <table border="0" style="width: 100%;"> <tr> <td>NAD 27 NME</td> <td>NAD 83 NME</td> </tr> <tr> <td>Y = 541,605.5</td> <td>Y = 541,666.3</td> </tr> <tr> <td>X = 720,495.0</td> <td>X = 761,676.4</td> </tr> <tr> <td>LAT. = 32.486953°N</td> <td>LAT. = 32.487074°N</td> </tr> <tr> <td>LONG. = 103.618250°W</td> <td>LONG. = 103.618740°W</td> </tr> </table>	NAD 27 NME	NAD 83 NME	SURFACE LOCATION	SURFACE LOCATION	Y = 549,076.9	Y = 549,137.9	X = 720,424.2	X = 761,605.4	LAT. = 32.507491°N	LAT. = 32.507611°N	LONG. = 103.618317°W	LONG. = 103.618808°W	NAD 27 NME	NAD 83 NME	Y = 548,866.2	Y = 548,927.2	X = 720,446.2	X = 761,627.4	LAT. = 32.506911°N	LAT. = 32.507032°N	LONG. = 103.618250°W	LONG. = 103.618741°W	A - Y = 549,202.0 N, X = 721,276.3 E	B - Y = 549,196.6 N, X = 720,103.1 E	C - Y = 546,563.4 N, X = 721,299.8 E	D - Y = 546,560.0 N, X = 720,126.9 E	E - Y = 543,922.9 N, X = 721,317.9 E	F - Y = 543,917.2 N, X = 720,138.9 E	G - Y = 541,280.5 N, X = 721,339.6 E	H - Y = 541,273.5 N, X = 720,157.3 E	A - Y = 549,263.0 N, X = 762,457.5 E	B - Y = 549,257.6 N, X = 761,284.3 E	C - Y = 546,624.4 N, X = 762,481.1 E	D - Y = 546,621.0 N, X = 761,308.2 E	E - Y = 543,983.8 N, X = 762,499.3 E	F - Y = 543,978.1 N, X = 761,320.2 E	G - Y = 541,341.3 N, X = 762,521.0 E	H - Y = 541,334.3 N, X = 761,338.7 E	NAD 27 NME	NAD 83 NME	Y = 541,607.5	Y = 541,668.3	X = 720,494.9	X = 761,676.3	LAT. = 32.486958°N	LAT. = 32.487079°N	LONG. = 103.618250°W	LONG. = 103.618740°W	NAD 27 NME	NAD 83 NME	Y = 541,605.5	Y = 541,666.3	X = 720,495.0	X = 761,676.4	LAT. = 32.486953°N	LAT. = 32.487074°N	LONG. = 103.618250°W	LONG. = 103.618740°W	17 OPERATOR CERTIFICATION <i>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.</i> 5/4/18 Signature Date Dean Gimbel Printed Name dgimbel@ascentenergy.us E-mail Address 18 SURVEYOR CERTIFICATION <i>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.</i> 04-18-2018 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number JC/AW 2018010487
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Form APD Comments

Permit 251847

PERMIT COMMENTS

Operator Name and Address: ASCENT ENERGY, LLC. [325830] 14982 Melco Ave Parker, CO 80134	API Number: 30-025-44785
	Well: TOQUE STATE COM #502H

Created By	Comment	Comment Date
pkautz	State of New Mexico GIS Coordinator has determine that state agency cannot use or accept GIS coordinates in NAD83. Therefore, the NMOCD cannot accept the APD's submitted because GIS coordinates are in NAD 27.	5/4/2018
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Form APD Conditions

Permit 251847

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Energy, Minerals and Natural Resources
Oil Conservation Division
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PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: ASCENT ENERGY, LLC. [325830] 14982 Melco Ave Parker, CO 80134	API Number: 30-025-44785
	Well: TOQUE STATE COM #502H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface R-111-P -- 2) PRODUCTION CASING - Cement must circulate to surface R-111-p --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
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	Potash Area - ** Three String Casing Program - In accordance with R-111-P all strings shall be cemented to surface. ** Salt Protection String - If the cement fails to reach the surface or the bottom of the cellar, where required, the top of the cement shall be located by a temperature or other survey and additional cementing shall be done until the cement is brought to the surface. ** Stage tool must be a minimum of 50 feet below intermediate shoe.