

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 243134

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 319772		3. API Number 30-025-44148
5. Property Name TOQUE STATE COM		6. Well No. 501H

7. Surface Location

UL - Lot N	Section 7	Township 21S	Range 33E	Lot Idn N	Feet From 684	N/S Line S	Feet From 2202	E/W Line W	County Lea
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8. Proposed Bottom Hole Location

UL - Lot K	Section 6	Township 21S	Range 33E	Lot Idn K	Feet From 2409	N/S Line S	Feet From 2183	E/W Line W	County Lea
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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 3905
16. Multiple N	17. Proposed Depth 18897	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 4/1/2018
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	1680	1000	0
Int1	12.25	9.625	40	5450	1200	0
Prod	8.75	5.5	20	18897	1750	0

Casing/Cement Program: Additional Comments

In the 9 5/8" intermediate casing, we will set a DV/ECP tool below the base of the salt zone at +/-3700' in order to circulate cement to surface.

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: 10/27/2017 Expiration Date: 10/27/2019
Date: 10/19/2017 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		³ Pool Name	
⁴ Property Code		⁵ Property Name TOQUE STATE COM			⁶ Well Number 501H
⁷ OGRID No. 325830		⁸ Operator Name ASCENT ENERGY			⁹ Elevation 3905'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	7	21 S	33 E		684	SOUTH	2,202	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
K	6	21 S	33 E		2,409	SOUTH	2,183	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.

	<p>GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y = 541,972.8 X = 722,354.7 LAT. = 32.487928°N LONG. = 103.612211°W</p> <p>FIRST TAKE POINT NAD 27 NME Y = 541,618.8 X = 722,169.0 LAT. = 32.486958°N LONG. = 103.612821°W</p> <p>CORNER COORDINATES TABLE NAD 27 NME A - Y = 541,281.9 N, X = 721,406.9 E B - Y = 541,280.4 N, X = 722,656.5 E C - Y = 543,929.3 N, X = 722,634.6 E D - Y = 543,923.2 N, X = 721,386.7 E E - Y = 546,564.6 N, X = 721,369.8 E F - Y = 546,589.2 N, X = 722,612.7 E G - Y = 549,208.2 N, X = 722,619.1 E H - Y = 549,202.4 N, X = 721,361.1 E</p> <p>CORNER COORDINATES TABLE NAD 83 NME A - Y = 541,342.7 N, X = 762,588.3 E B - Y = 541,351.2 N, X = 763,838.0 E C - Y = 543,980.2 N, X = 763,816.0 E D - Y = 543,984.1 N, X = 762,568.1 E E - Y = 546,625.6 N, X = 762,551.1 E F - Y = 546,630.1 N, X = 763,794.0 E G - Y = 549,269.2 N, X = 763,800.3 E H - Y = 549,263.4 N, X = 762,542.3 E</p> <p>LAST TAKE POINT NAD 27 NME Y = 546,876.7 X = 722,288.3 LAT. = 32.506806°N LONG. = 103.612275°W</p> <p>BOTTOM HOLE LOCATION NAD 27 NME Y = 548,976.7 X = 722,288.6 LAT. = 32.507181°N LONG. = 103.61227°W</p>	<p>GEODETIC COORDINATES NAD 83 NME SURFACE LOCATION Y = 542,033.8 X = 763,536.1 LAT. = 32.488048°N LONG. = 103.612701°W</p> <p>FIRST TAKE POINT NAD 83 NME Y = 541,679.6 X = 763,350.4 LAT. = 32.487079°N LONG. = 103.613311°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 released 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: <u>Jody C Robins</u> Date: <u>10/18/17</u></p> <p>Printed Name: <u>Jody C Robins</u></p> <p>E-mail Address: <u>jrobins@ascentenergy.us</u></p>
	<p>LAST TAKE POINT NAD 83 NME Y = 548,937.7 X = 763,469.5 LAT. = 32.507027°N LONG. = 103.612765°W</p> <p>BOTTOM HOLE LOCATION NAD 83 NME Y = 549,037.7 X = 763,469.8 LAT. = 32.507301°N LONG. = 103.612762°W</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>10-17-2017 Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p>	<p>MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR</p> <p>MARK DILLON HARP 23786 Certificate Number AI 2017071187</p>

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Form APD Comments

Permit 243134

PERMIT COMMENTS

Operator Name and Address: ASCENT ENERGY, LLC. [325830] 1621 18th St Denver, CO 80202		API Number: 30-025-44148
		Well: TOQUE STATE COM #501H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 243134

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: 30-025-44148
	Well: TOQUE STATE COM #501H

OCD Reviewer	Condition
pkautz	The operator shall keep a copy of the approved form C-101 and a copy of these conditions of approval at the well site.
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	Will require a directional survey with the C-104
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.
pkautz	POTASH AREA SURFACE, INTERMEDIATE CASING & PRODUCTION CASING - Cement must be brought to the to surface -- per R-111-P
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing minimum setting depth is 350' and at least 50' into the red beds whichever is greater.
pkautz	1)- The Operator is to notify NMOC 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 20 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	If an APD expires and if site construction has occurred, site remediation is required.
pkautz	Lost Circulation - Must notify OCD Hobbs Office if lost circulation is encountered at 575-370-3186
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.
pkautz	Gas Capture Plan - Operator to Submit Gas Capture Plan ASAP.