

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 250138

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 321111		3. API Number 30-015-44822
5. Property Name PURPLE FROG STATE		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
B	32	20S	30E	B	195	N	1697	E	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
O	32	20S	30E	O	330	S	1350	E	Eddy

9. Pool Information

WC-015 G-04 S203032P;BONE SPRING	98008
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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 3386
16. Multiple N	17. Proposed Depth 13440	18. Formation Bone Spring	19. Contractor	20. Spud Date 8/15/2018
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	26	20	65	500	1250	0
Int1	17.5	13.375	54.5	1675	1250	0
Int2	12.615	9.625	40	4000	1250	0
Prod	8.835	6.625	20	13440	2500	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 <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: Raymond Podany
Title: VP Drilling	Title: Geologist
Email Address: jrobins@ascentenergy.us	Approved Date: 5/10/2018 Expiration Date: 5/10/2020
Date: 4/3/2018 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	³ Pool Name
	98008	WC-015 G-04 S203032P; BONE SPRING
⁴ Property Code	⁵ Property Name	⁶ Well Number
	PURPLE FROG STATE	502H
⁷ OGRID No.	⁸ Operator Name	⁹ Elevation
325830	ASCENT ENERGY, LLC	3386.4

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
B	32	20 S	30 E		195	NORTH	1697	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	32	20 S	30 E		330	SOUTH	1350	EAST	EDDY

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

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

<p>PURPLE FROG STATE 502H EL. = 3386.4'</p> <p>GEODETIC COORDINATES NAD 27 NMSP EAST SURFACE LOCATION N. = 559037.73 E. = 605573.94 LAT. = 32.5364368°N LONG. = 103.9907578°W</p> <p>FIRST TAKE POINT NAD 27 NMSP EAST N. = 558902.18 E. = 605921.28 LAT. = 32.5360611°N LONG. = 103.9896322°W</p> <p>LAST TAKE POINT NAD 27 NMSP EAST N. = 554282.93 E. = 605939.70 LAT. = 32.5233635°N LONG. = 103.9896208°W</p> <p>BOTTOM OF HOLE NAD 27 NMSP EAST N. = 554280.93 E. = 605939.71 LAT. = 32.5233580°N LONG. = 103.9896208°W</p> <p>CORNER COORDINATES TABLE NAD 27 NMSP EAST A - N. = 559229.18, E. = 604629.36 B - N. = 559234.20, E. = 605949.55 C - N. = 559239.23, E. = 607269.74 D - N. = 556597.50, E. = 607279.44 E - N. = 553953.57, E. = 607290.81 F - N. = 553951.07, E. = 605969.17 G - N. = 553948.57, E. = 604647.53</p> <p>CORNER COORDINATES TABLE NAD 83 NMSP EAST A - N. = 559290.71, E. = 645810.12 B - N. = 559295.74, E. = 647130.30 C - N. = 559300.77, E. = 648450.49 D - N. = 556658.98, E. = 648460.25 E - N. = 554015.00, E. = 648471.68 F - N. = 554012.49, E. = 647150.04 G - N. = 554009.99, E. = 645828.41</p>		<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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> 3/22/18 Signature Date</p> <p>Dean Gimbel Printed Name</p> <p>dgimbel@ascentenergy.us E-mail Address</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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>MARCH 19, 2018 Date of Survey</p> <p><i>Filimon F. Jaramillo</i> Signature and Seal of Professional Surveyor</p> <p>Certificate Number: FILIMON F. JARAMILLO, PLS 12797 SURVEY NO. 6092A</p>	

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Form APD Comments

Permit 250138

PERMIT COMMENTS

Operator Name and Address: ASCENT ENERGY, LLC. [325830] 14982 Melco Ave Parker, CO 80134		API Number: 30-015-44822
		Well: PURPLE FROG STATE #502H

Created By	Comment	Comment Date
rpodany	Casing design. Four Strings required in R-111-P area.	3/29/2018

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Form APD Conditions

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PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: ASCENT ENERGY, LLC. [325830] 14982 Melco Ave Parker, CO 80134		API Number: 30-015-44822
		Well: PURPLE FROG STATE #502H
OCD Reviewer	Condition	
rpodany	Will require a directional survey with the C-104	
rpodany	Cement is required to circulate on both surface and intermediate1 strings of casing	