

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 246951

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 30-025-44380
5. Property Name SAN DIEGO		6. Well No. 501H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	6	18S	36E	4	130	N	1088	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	6	18S	36E	7	330	S	390	W	Lea

9. Pool Information

WC-025 G-07 S193513B;BONE SPRING	97926
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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 3878
16. Multiple N	17. Proposed Depth 13905	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	13905	2555	3470

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 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 501H
⁷ OGRID No. 325830	⁸ Operator Name ASCENT ENERGY	⁹ Elevation 3,878'

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
L4	6	18 S	36 E		130	NORTH	1,088	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
L7	6	18 S	36 E		330	SOUTH	390	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 T18S R36E	GEODETTIC COORDINATES NAD 27 NME SURFACE LOCATION Y= 649,981.2 X= 787,370.1 LAT.= 32.783399°N LONG.= 103.398297°W FIRST TAKE POINT NAD 27 NME Y= 649,769.6 X= 786,675.0 LAT.= 32.782834°N LONG.= 103.400564°W CORNER COORDINATES TABLE NAD 27 NME A - Y= 650,096.2 N, X= 786,281.0 E B - Y= 650,113.3 N, X= 787,527.2 E C - Y= 647,450.3 N, X= 786,313.0 E D - Y= 647,461.5 N, X= 787,591.9 E E - Y= 644,807.8 N, X= 786,345.2 E F - Y= 644,816.5 N, X= 787,619.3 E GEODETTIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 650,043.9 X= 828,549.0 LAT.= 32.783516°N LONG.= 103.398792°W FIRST TAKE POINT NAD 83 NME Y= 649,832.3 X= 827,853.9 LAT.= 32.782952°N LONG.= 103.401059°W	LAST TAKE POINT NAD 27 NME Y= 645,142.4 X= 786,731.1 LAT.= 32.770115°N LONG.= 103.400515°W BOTTOM HOLE LOCATION NAD 27 NME Y= 645,140.4 X= 786,731.2 LAT.= 32.770110°N LONG.= 103.400515°W CORNER COORDINATES TABLE NAD 83 NME A - Y= 650,158.9 N, X= 827,459.9 E B - Y= 650,176.0 N, X= 828,706.1 E C - Y= 647,513.0 N, X= 827,492.0 E D - Y= 647,524.1 N, X= 828,770.9 E E - Y= 644,870.4 N, X= 827,524.2 E F - Y= 644,879.1 N, X= 828,798.3 E GEODETTIC COORDINATES NAD 83 NME SURFACE LOCATION Y= 645,205.0 X= 827,910.1 LAT.= 32.770233°N LONG.= 103.401009°W BOTTOM HOLE LOCATION NAD 83 NME Y= 645,203.0 X= 827,910.2 LAT.= 32.770228°N LONG.= 103.401009°W	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. 01-17-2018 Signature Date Dean Gimbel Printed Name dgimbel@ascenergy.us E-mail Address	
				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. 01-16-2018 Date of Survey Signature and Seal of Professional Surveyor: MARK DILLON HARP 23786 Certificate Number AW 2017122092

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Form APD Comments

Permit 246951

PERMIT COMMENTS

Operator Name and Address: ASCENT ENERGY, LLC. [325830] 1621 18th St Denver, CO 80202		API Number: 30-025-44380
		Well: SAN DIEGO #501H

Created By	Comment	Comment Date
ksharp	Gas Capture Plan must be submitted to Paul Kautz for completion of approval process	1/17/2018
pkautz	GCP Received 01/17/2018	1/18/2018

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Form APD Conditions

Permit 246951

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: 30-025-44380
	Well: SAN DIEGO #501H

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.