

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-8161 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) 334-8178 Fax:(505) 334-8170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3482

**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 220921

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

1. Operator Name and Address GMT EXPLORATION COMPANY LLC 1560 Broadway Denver, CO 80202		2. OGRID Number 260511
4. Property Code 316219		3. API Number 30-025-43234
5. Property Name VITALIZER STATE		6. Well No. 001H

**7. Surface Location**

UL - Lot	D	Section	33	Township	21S	Range	34E	Lot Idn	D	Feet From	200	N/S Line	N	Feet From	350	E/W Line	W	County	Lea
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**8. Proposed Bottom Hole Location**

UL - Lot	M	Section	33	Township	21S	Range	34E	Lot Idn	M	Feet From	330	N/S Line	S	Feet From	350	E/W Line	W	County	Lea
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**9. Pool Information**

GRAMA RIDGE;BONE SPRING	28430
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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 3682
16. Multiple N	17. Proposed Depth 15600	18. Formation Wolfcamp	19. Contractor	20. Spud Date 8/1/2016
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	1750	456	0
Int1	11	8.625	43.5	4000	867	0
Int1	11	8.625	43.5	5100	289	0
Prod	7.875	5.5	20	15600	2510	4100

**Casing/Cement Program: Additional Comments**

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**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	

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: Printed Name: Electronically filed by Marissa Walters Title: Pertotech Email Address: mwalters@gmtexploration.com Date: 5/13/2016	<div style="text-align: center;"><b>OIL CONSERVATION DIVISION</b></div> Approved By: Paul Kautz Title: Geologist Approved Date: 5/16/2016      Expiration Date: 5/16/2018 Conditions of Approval Attached
Phone: 303-586-9275	

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Form C-102  
August 1, 2011  
Permit 220921

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-43234	2. Pool Code 28430	3. Pool Name GRAMA RIDGE;BONE SPRING
4. Property Code 316219	5. Property Name VITALIZER STATE	6. Well No. 001H
7. OGRID No. 260511	8. Operator Name GMT EXPLORATION COMPANY LLC	9. Elevation 3682

**10. Surface Location**

UL - Lot D	Section 33	Township 21S	Range 34E	Lot Idn D	Feet From 200	N/S Line N	Feet From 350	E/W Line W	County Lea
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**11. Bottom Hole Location If Different From Surface**

UL - Lot M	Section 33	Township 21S	Range 34E	Lot Idn M	Feet From 200	N/S Line N	Feet From 350	E/W Line W	County Lea
12. Dedicated Acres 160.00	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**

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 25%; height: 40px; background-color: #cccccc;"></td><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td><td style="width: 25%; height: 40px;"></td></tr> <tr><td style="height: 40px; background-color: #cccccc;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> <tr><td style="height: 40px; background-color: #cccccc;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> <tr><td style="height: 40px; background-color: #cccccc;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td><td style="height: 40px;"></td></tr> </table>																	<p style="text-align: center;"><b>OPERATOR CERTIFICATION</b></p> <p><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(s) 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></p> <p>E-Signed By:        Marissa Walters Title:                Pertotech Date:                 5/13/2016</p> <hr/> <p style="text-align: center;"><b>SURVEYOR CERTIFICATION</b></p> <p><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></p> <p>Surveyed By:        Gary Jones Date of Survey:     4/28/2016 Certificate Number: 7977</p>

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Form APD Comments

Permit 220921

**PERMIT COMMENTS**

Operator Name and Address: GMT EXPLORATION COMPANY LLC [260511] 1560 Broadway Denver, CO 80202	API Number: 30-025-43234
	Well: VITALIZER STATE #001H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 220921

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: GMT EXPLORATION COMPANY LLC [260511] 1560 Broadway Denver, CO 80202		API Number: 30-025-43234
		Well: VITALIZER STATE #001H
OCD Reviewer	Condition	
pkautz	Will require a directional survey with the C-104	
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	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	Must notify OCD Hobbs Office if lost circulation is encountered at 575-370-3186	
pkautz	Must notify OCD Hobbs Office of any water flows in the Salado Formation at 575-370-3186. Report depth and flow rate	
pkautz	The New! Gas Capture Plan (GCP) notice is posted on the NMOCD website under Announcements. The Plan became effective May 1, 2016. A copy of the GCP form is included with the NOTICE and is also in our FORMS section under Unnumbered Forms. Please review filing dates for all applicable activities currently approved or pending and submit accordingly. Failure to file a GCP may jeopardize the operator's ability to obtain C-129 approval to flare gas after the initial 60-day completion period.	