

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

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

1. Operator Name and Address BRIGHAM OIL & GAS LP 6300 Bridge Point Pkwy Austin, TX 78730		2. OGRID Number 163160
		3. API Number 30-025-37576
4. Property Code 35271	5. Property Name STATE 33	6. Well No. 001

7. Surface Location

UL - Lot D	Section 33	Township 12S	Range 37E	Lot Idn D	Feet From 879	N/S Line N	Feet From 990	E/W Line W	County LEA
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8. Pool Information

GLADIOLA;WOLFCAMP	27930
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Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3911
14. Multiple N	15. Proposed Depth 10500	16. Formation Pennsylvanian	17. Contractor	18. Spud Date 12/6/2005
Depth to Ground water 50		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 15 miles thick Clay <input type="checkbox"/> Pit Volume: 12000 bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	400	440	0
Int1	11	8.625	24	4700	1070	
Int1	11	8.625	32	4700	1070	
Prod	7.875	5.5	17	10500	430	8000

Casing/Cement Program: Additional Comments

Intermediate string will be 2200' of 24# on top of 2500' of 32# J-55 ST&C. Production casing will be 6000' of J-55 on top 4500' of N-80.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Blind	5000	5000	
Annular	5000	3500	
Pipe	5000	5000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCB guidelines <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCB-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 12/1/2005	Expiration Date: 12/1/2006
	Conditions of Approval Attached	

Printed Name: Electronically filed by Dominik Wells	
Title: Engineer	
Email Address: dwells@bexp3d.com	
Date: 12/1/2005	Phone: 512-427-3300

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(505) 393-6161 Fax:(505) 393-0720

District II
 1301 W. Grand Ave., Artesia, NM 88210
 Phone:(505) 748-1283 Fax:(505) 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

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Form C-102
 Permit 18780

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-025-37576	2. Pool Code 27930	3. Pool Name GLADIOLA;WOLFCAMP
4. Property Code 35271	5. Property Name STATE 33	6. Well No. 001
7. OGRID No. 163160	8. Operator Name BRIGHAM OIL & GAS LP	9. Elevation 3911

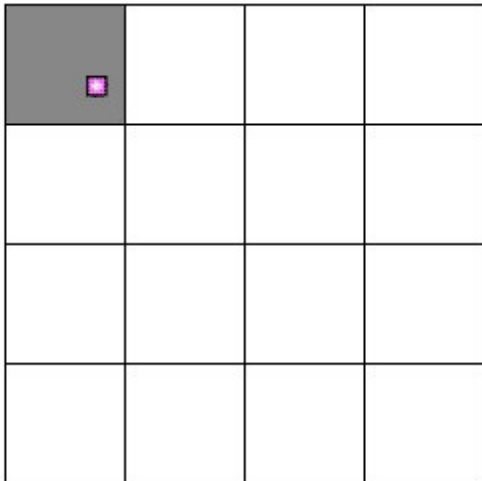
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
D	33	12S	37E		879	N	990	W	LEA

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00		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

	<p align="center">OPERATOR CERTIFICATION</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <p>E-Signed By: Dominik Wells</p> <p>Title: Engineer</p> <p>Date: 12/1/2005</p>
	<p align="center">SURVEYOR CERTIFICATION</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: Max Schumann, Jr.</p> <p>Date of Survey: 11/30/2005</p> <p>Certificate Number: 1510</p>

Permit Comments

Operator: BRIGHAM OIL & GAS LP , 163160

Well: STATE 33 #001

API: 30-025-37576

Created By	Comment	Comment Date
pkautz	Special Pool rules for the Gladiola;Penn, Southwest requires that a well location be within 150' of the center of the Q/Q section. This location is more than 150' and requires an NSL approval from our Santa Fe office.	12/1/2005
KKLANIKA	Pennsylvanian is not primary objective; Permit has been amended to remove Gladiola; Penn pool.	12/1/2005

Permit Conditions of Approval

Operator: BRIGHAM OIL & GAS LP , 163160

Well: STATE 33 #001

API: 30-025-37576

OCD Reviewer	Condition
pkautz	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
pkautz	prior to any pit construction nitify Gary Wink at 505-393-6161 ext 114