OCD-HOBBS

Form 3160-3
(April 2004)

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. LC-NM-2511

6. If Indian, Allotee or Tribe Name

1a. Type of work: ☑ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.

1b. Type of Well: ☐ Oil Well ☑ Gas Well ☐ Other ☑ Single Zone ☐ Multiple Zone

8. Lease Name and Well No. (302118)
Meyer B-28 A Com A/C-2 #5

2. Name of Operator
Plantation Operating, LLC (237788)

9. API Well No.
30-025- 38365

3a. Address **2203 Timberloch Place, Suite 229**
The Woodlands, Texas 77380

3b. Phone No. *(include area code)*
281-296-7222

10. Field and Pool, or Exploratory
Eumont (Yates-7Rivers-Queen)

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface **660' FNL and 660' FEL, Unit (A)**
At proposed prod. zone LEA COUNTY CONTROLLED WATER BASIN

11. Sec., T. R. M. or Blk. and Survey or Area
A-33, T-20-S, R-37-E

14. Distance in miles and direction from nearest town or post office*
Approximately 8 miles south of Monument, NM

12. County or Parish
Lea

13. State
NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of acres in lease	17. Spacing Unit dedicated to this well
	360	**360**

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. on file
	3870'	**NMB000344**

21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
3507' GL		**10 Days**

Received
Hobbs
OCD

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature	Name *(Printed/Typed)*	Date
	Kimberly Faldyn	**03/08/2007**

Title
Production Tech

Approved by *(Signature)* /s/ Don Peterson	Name *(Printed/Typed)*	Date
		APR 12 2007

Title	Office
ACTING **FIELD MANAGER**	CARLSBAD FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached. APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

* *(Instructions on page 2)*

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS
AND SPECIAL STIPULATIONS
ATTACHED

State of New Mexico
Energy, Minerals and Natural Resources Department

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II
1301 W GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
30-025-38365	76480	Eumont (Y-7R-Q) Gas

Property Code	Property Name	Well Number
302118	MEYERS B-28 A/C-2	6

OGRID No.	Operator Name	Elevation
237788	PLANTATION OPERATING, LLC	3507'

Surface Location

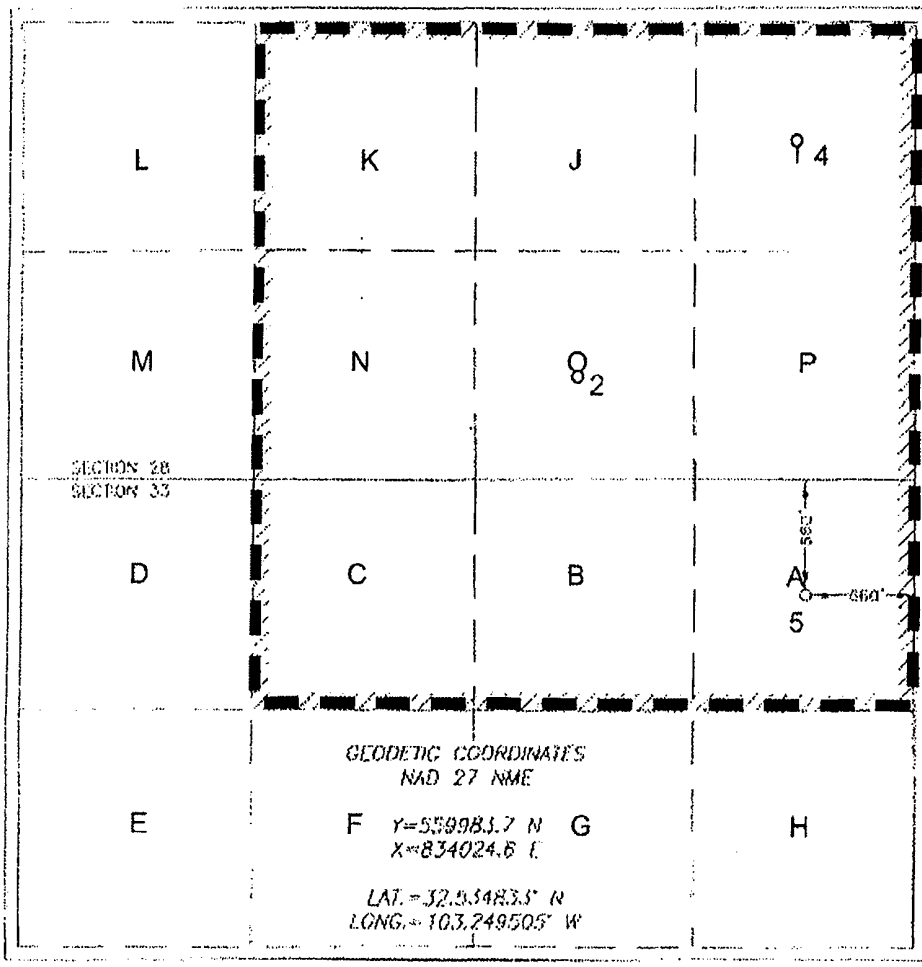
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	33	20-S	37-E		660	NORTH	660	EAST	LEA

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

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
360	Y		Administrative Order No. R-4977 (3/5/75)

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



OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature — Date: 1/16/07

John Allred
Printed Name

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.

DECEMBER 11, 2006

Date Surveyed REV: 01/09/07 JR

Signature & Seal of Professional Surveyor

Gary L. Eidson 1/9/07

06.11.1947

Certificate No. GARY EIDSON 12641
CHAD HARCROW 17777

Plantation Operating LLC
DRILLING PROGNOSIS

I. WELL IDENTIFICATION

Well No.:	**Meyer B-28 A Com A/C-2 # 5**
Location:	660' FNL & 660' FEL (A) Section 33, T-20-S, R-37-E
County:	Lea
State:	New Mexico
Elevations:	GL 3507'

II. DRILLING OBJECTIVE

Zone:	Yates-Seven Rivers-Queen-Penrose
Total Depth:	3870'
Pool Name:	Eumont (Y-7R-Qu-Penrose) (Gas)
Productive Interval:	Yates-Seven Rivers-Queen-Penrose

III. FORMATION TOPS

ZONE	DRILLING DEPTH(KB)	SUBSEA DEPTH	GROSS INTERVAL DRILLED	PROBABLE FLUID PRODUCTION
KB				
Rustler		2268		
Salado Salt		--		
Cowden Anhydrite		--		
Tansill		1005		
Yates		821		GAS
Seven Rivers		594		GAS
CUQ Marker		--		--
Queen		101		OIL
TOTAL DEPTH	3870	--	--	

IV. **HOLE SIZE**

Hole	Bit Size	T.D.	Gross Interval
Surface	9-7/8"	1025'	1025'
Production	6-1/8"	3870'	3870'

V. **CASING PROGRAM**

A. Casing Design

	Casing Size			
String	O.D.	Wt.	Amt.	Thread
Surface	7"	20	1025	ST&C J-55
Production	4-1/2"	11.6	3870	LT&C J-55

B. Float Equipment

Surface Casing: 7-inch Texas Pattern guide shoe and 7-inch float collar. Wiper wooden plug to displace cement.

Production Casing: 4-1/2-inch super seal float shoe with latch down plug and baffle.

C. Centralizers

Surface Casing: One centralizer at the float collar and five centralizers every other joint thereafter.

Production Casing: Run a total of 20 centralizers. Place one centralizer at the guide-shoe with fifteen (17) centralizers being placed every 80 to 90 feet apart or every other joint in the case of 40-foot joint lengths thereafter. One centralizer inside the bottom of the surface casing and one near surface.

D. Wellhead Equipment

Larkin 7" x 4-1/2" slip type casinghead with bowl, slips and packoff. B & M Oil Tools 4-1/2" x 2 3/8" Type MR male-tubinghead complete with Mandrel, 3 inch outlets, stripper bowl and rubber and slip casing collar.

VI. **MUD PROGRAM**

A. Drill the surface hole with a fresh water gel spud mud & paper (approximately 8.5 lb./gal) while maintaining a high enough viscosity to adequately clean the hole. Circulate through working pits and sweep for surface casing. Add paper as needed to control excess seepage.

Before drilling below the surface pipe, jet cuttings out of working pit into auxiliary pit and then switch from circulating through the working pit to circulating through the reserve pit with 10.1 ppg brine.

B. Production Hole

Prior to drilling the cement plug, add ASP-725 through the hopper over 1 to 2 circulations at the rate of 20 gallons per 1000 barrels of fluid. Make certain to mix and agitate ASP 725 prior to adding to brine. ASP-725 is a cationic, liquid polyacrylamide designed to prevent hydration and migration of clays. Due to its cationic nature, bentonite and attapulgite will not hydrate and are useless in this fluid. If additional viscosity is required, use XCD, or Drispac plus.

Since ASP-725 is depleted from the system, some maintenance is required. Recommended maintenance is 5-6 gallons per tour through the mud hopper.

Lime should be used to control pH at 9.0. Paper may be used to control seepage losses.

Water flows while drilling the Rustler, Salt, and Yates formations may require deviation from this program.

Depth: 2300'-3870'. Weight: 10.0-10.1. Viscosity: 30-31. Filtrate: 6 or less.

At **2300'** begin to lower the fluid loss with starch. **Fluid loss to be 10 cc's or less at 2300'.**

Continue to add ASP-725 to the system at the rate of 5-6 gallons per tour. Caustic soda should be used to control pH at 9.0. Use paper and LCM to control seepage losses below 3550'.

At TD, sweep the hole using a high viscosity 100 barrel pill with Dynasweep and/or XCD or as recommended.

VII. CEMENTING PROGRAM

A. Surface Pipe

Cement surface pipe with approximately 350 sacks (or as required to circulate cement to surface) of API Class-C cement containing 2% Calcium Chloride. Before resuming drilling operations, allow cement to set for a sufficient time to gain a 500-psi compressive strength (18 hours). Nipple up 3000# 12" Shaffer Type E Double Ram BOP and test rams. Also before drilling the surface cementing plug, the pipe shall be tested to 1000 psi for 15 minutes.

B. Production String

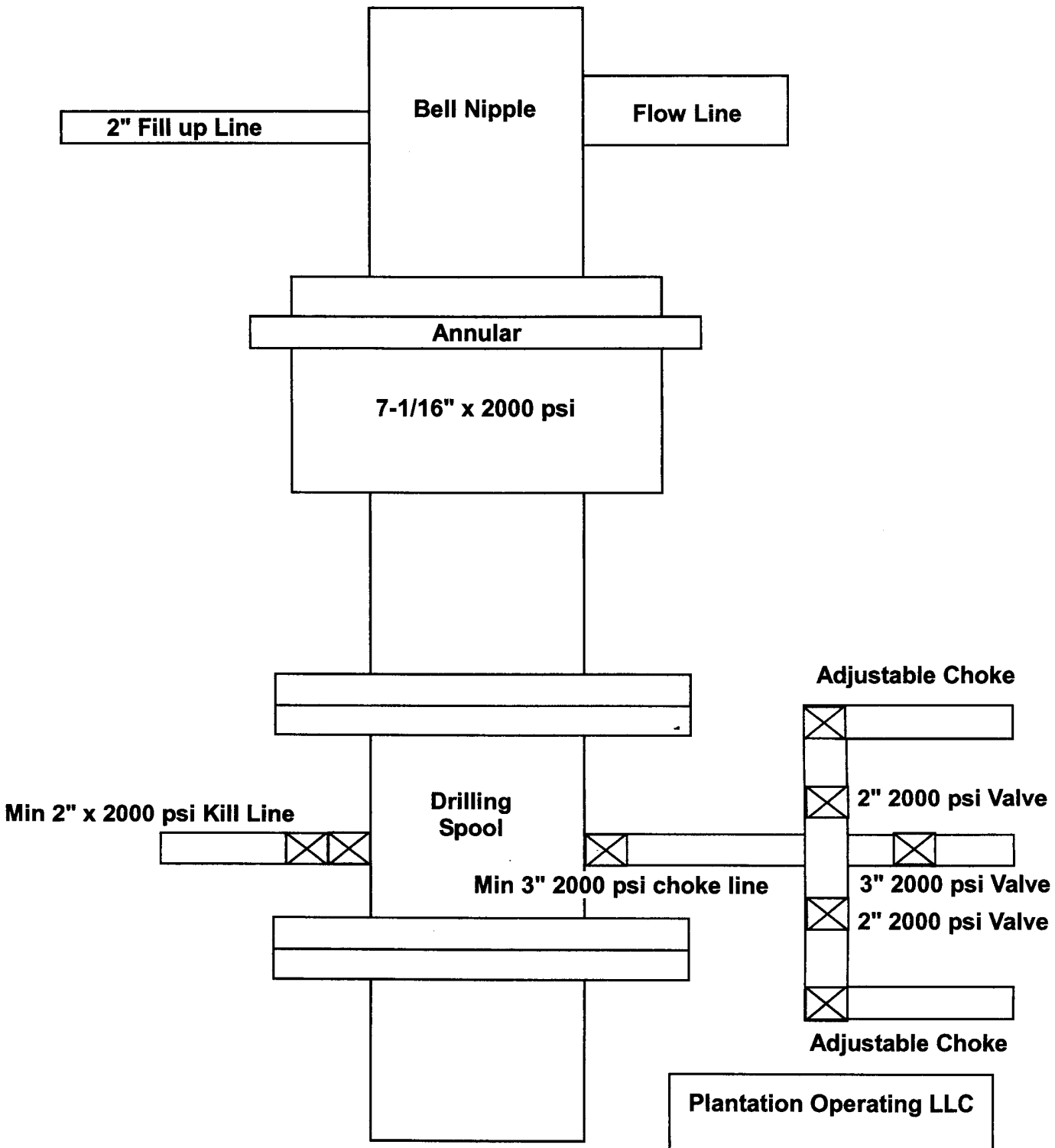
Cement the long string with approximately 700 sacks (or as required) of API Class-C cement containing 3% Halliburton Econolite, 5 lbs/sx Gilsonite and 1/2 lb./sx Floseal mixed to a slurry weight of 11.2 lb./gal followed by 250 sacks of a 50-50 blend of Pozmix "A" and API Class-C cement containing 18% salt, 2% gel, 1/4 lb./gal Floseal and a slurry weight of 14.1 lb./gal. Pump 30 barrels of water ahead of the cement to help remove the mud filter cake.

Once the plug has been bumped and latched, pressure test the casing to 1500 psig.

The total estimated cement volume of 700 sacks provides for an excess that should be sufficient to bring the cement top back to the surface. Before the cement job is actually performed, the required cement volume shall be checked against the open hole caliper log to determine the actual amount of cement necessary to bring the cement back to the surface.

Plantation Operating, LLC

BOP Schematic for 6-1/8 or- 7-7/8" Hole



Plantation Operating LLC

Exhibit # 2A

Lea County, NM