Form 3160-5" (September 2001)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCD-HOBBS

FOR	M A	PPRO	OVE	ΞD
OMB	No	1004	1-01	35
Expires	Jan	uary	31,	2004

SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill or to re-enter an	
abandoned well. Use Form 3160-3 (APD) for such proposals.	

5 Lease Serial No NM 23006

abandoned well. Use Form 3160-3 (APD) for such proposals.			0 II ind	o if fildian, Affolice of Tribe Name				
SUBMIT IN TRIPLICATE - Other instructions on reverse side					7 If Unit or CA/Agreement, Name and/or No			
I Type of Well	the same of the last	21.11 A. W. E. M. C.	The state of the s	, d.,				
Oil Well Gas Well Other				8 Well	8 Well Name and No			
2. Name of Operator					LPC 31 Federal #2			
Marbob Energy Corporation  3a Address  3b Phone No. (well-decomposition)					9. API Well No			
			Phone No (include area code)		30-025-38157			
P.O. Box 227, Artesia, NM 88211-0227 505-7		505-748-3303	18-3303		10 Field and Pool, or Exploratory Area			
4 Location of Well (Footage, Sec., T, R, M, or Survey Description) Sec. 31, T18S R32E					Lusk; Bone Spring, North 11. County or Parish, State			
2210' FNL & 940' FEL				11. Cour	11. County or Parish, State			
					Lea County, New Mexico			
	PROPRIATE BOX(ES) TO I	NDICATE NA	TURE OF NOTICE,	, REPORT,	OR OT	HER DATA		
TYPE OF SUBMISSION			TYPE OF ACTION					
	Acidize	Deepen	Production (S	start/Resume)		Water Shut-Off		
✓ Notice of Intent	Alter Casing	Fracture Treat	Reclamation	rtar v resume)		Well Integrity		
Subsequent Report	Casing Repair	New Construction			_	Other Extension		
_	Change Plans	Plug and Abande	· ·	Abandon		Other Extension		
Final Abandonment Notice	Convert to Injection	Plug Back	Water Dispos					
				APPRO ENDING	VED F	OR MONTH PERIO		
14 1 hereby certify that the foregoing	To true and	. <del></del>				101-09		
Name (PrintedlTyped)	s is true and correct							
Nancy T. Agnew		Title	and Department					
Signature Cancel	T. agnew		7/11/07					
Carried and the second of the	THIS SPACE FOR	1 314 115 7	STATE OFFICE US	É TAME				
Approved by (Signature)	/s/ Don Peterso	n	Name (Printed Typed)		Title	FIELD MANAGE		
Conditions of approval, if any, are a certify that the applicant holds legal which would entitle the applicant to co	or equitable title to those rights in onduct operations thereon	pes not warrant or the subject lease	CARLSBAD	FIELD	) DFFI	Date AUG 3 0 2007		
Title 18 U.S.C. Section 1001 and Titl States any false, fictitious or frauduler	e 43 U S C Section 1212, make it a nt statements or representations as to	orima for anni manni	. 1 1 1000	y to make to ar	ny departi	ment or agency of the United		

## PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME: | Marbob Energy Corp.

LEASE NO.: NM-23006

WELL NAME & NO.: LPC 31 Federal # 2

SURFACE HOLE FOOTAGE: 2210' FNL & 940' FEL BOTTOM HOLE FOOTAGE 'F L & 'F L

LOCATION: | Section 31, T. 18 S., R 32 E., NMPM

COUNTY: Lea County, New Mexico

## I. DRILLING

## A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified a minimum of 4 hours in advance for a representative to witness:

- a. Spudding well
- b. Setting and/or Cementing of all casing strings
- c. BOPE tests

## **\Boxed** Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (505) 393-3612

- 1. A Hydrogen Sulfide (H2S) Drilling Plan is N/A.
- 2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
- 3. When floor controls are required, (3M or Greater) controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

#### B. CASING

- 1. The 13.375 inch surface casing shall be set at 600 feet and cemented to the surface.
  - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with a surface log readout will be used or a cement bond log shall be run to verify the top of the cement.
  - b. Wait on cement (WOC) time for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement).
  - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
  - d. If cement falls back, remedial action will be done prior to drilling out that string.
- 2. The minimum required fill of cement behind the 8.625 inch intermediate casing is:

  Cement to surface. If cement does not circulate see B.1.a-d above.
- 3. The minimum required fill of cement behind the 5.5 inch production casing is:
  - Cement should tie-back at least 200 feet into previous casing string. Operator shall provide method of verification.
- 4. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

## C. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.

- 2. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
  - a. The tests shall be done by an independent service company.
  - b. The results of the test shall be reported to the appropriate BLM office.
  - c. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
  - d. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.

## D. DRILLING MUD

1. Fresh water based mud will be used to drill to 1100 feet.

#### E. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

## F. HAZARDS

1. Our geologist has indicated that there is potential for flows in the Artesia and Salado groups.

FWright: 8/24/07 (date)