

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

NOV 08 2011

FORM APPROVED  
OMB No 1004-0137  
Expires July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an Field Office abandoned well. Use Form 3160-3 (APD) for such proposals.**

<b>SUBMIT IN TRIPLICATE – Other instructions on page 2</b>		5. Lease Serial No SF - 078621
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator Maralex Resources, Inc.		8. Well Name and No Brookhaven A #2
3a. Address PO Box 338, Ignacio, CO 81137	3b. Phone No. (include area code) 970 563-4000	9. API Well No 30-045-05215
4. Location of Well (Footage, Sec., T.R.M. or Survey Description) 790' FSL, 1650' FEL S29-T25N-R10W		10. Field and Pool or Exploratory Area Fruitland Coal
		11. Country or Parish, State San Juan, NM

## 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13 Describe Proposed or Completed Operation. Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

A plug and abandon procedure is attached for the subject well. Schematic wellbore diagrams of the well currently, and after the plug and abandonment is complete are also attached. Maralex requests permission to plug the well according to the attached procedure.

**Notify NMOCD 24 hrs  
prior to beginning  
operations**

RCVD NOV 17 '11

OIL CONS. DIV.

DIST. 3

14 I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>DENNIS R. REIMERS</b>	Title Engineering Manager
Signature <i>D. R. Reimers</i>	Date 11/7/11

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason	Title	Date NOV 15 2011
Conditions of approval, if any, are attached. Approval of this notice 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.	Office	

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.

NMOCD  
A

## PLUG AND ABANDONMENT PROCEDURE

October 20, 2011

### Brookhaven A #2 Basin Fruitland Coal

790' FSL, 1650' FEL, Section 29, T25N, R10W, San Juan County, New Mexico

API 30-045-05215 / Lat/Long: 36.366943/107.915985

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes ☐ , No ☒ , Unknown ☐ .  
Tubing: Yes ☒ , No ☐ , Unknown ☐ , Size 2.375" , Length 1581' .  
Packer: Yes ☐ , No ☒ , Unknown ☐ , Type ☐ .  
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.

**NOTE: BLM requires a CBL log to be run on all wells where the cement did not circulate to surface or where a T.S. or CBL log was not previously run. This procedure is prepared with the understanding that it may be modified if a CBL is required.**

4. **Plug #1 (Pictured Cliffs top and Fruitland interval, 1538'-<sup>1240</sup>~~1325~~):** Round trip 5.5" gauge ring to 1538'. RIH and set 5.5" wireline CIBP at 1538'. Attempt to pressure test casing to 800#. **If casing does not test then spot or tag subsequent plugs as necessary.** Spot ~~20~~ sxs Class B cement inside casing to cover through the Fruitland top. TOH with tubing.
5. **Plug #2 (Kirtland and Ojo Alamo tops, 918' – 690'):** Perforate 3 squeeze holes at 918'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 5.5" cement retainer at 868'. Establish rate into squeeze holes. Mix and pump 130 sxs cement, squeeze 98 sxs outside the 5.5" casing and leave 32 sxs inside the casing to cover through the Ojo Alamo top. TOH and LD tubing.
6. **Plug #3 (10.75" casing shoe and surface, 252' - Surface):** Perforate 3 squeeze holes at 252'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 120 sxs cement down the 5.5" casing to circulate good cement out annulus valve. Shut well in and WOC.
7. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

# Brookhaven A #2

## Current

Basin Fruitland Coal

790' FSL, 1650' FEL, Section 29, T-25-N, R-10-W,

San Juan County, NM / API #30-045-05215

Lat/Long: 36.366943/107.915985

Today's Date: 10/20/11

Spud: 5/5/57

GI Completed: 8/11/157

FtC Completed: 8/29/97

Elevation: 6716' GR

6726' KB

Ojo Alamo @ 740'

Kirtland @ 868'

Fruitland @ 1385'

Pictured Cliffs @ 1602'

Mesaverde @ 2400'

Gallup @ 5070'

Dakota @ 8111'

13.75" hole

10.75", 32.75# Casing set @ 172'  
Cement with 150 sxs (Circulated to Surface)

2-3/8" tubing at 1581'

CBL run 2008. Operator said  
poor cement above Fruitland top.

Fruitland Coal Perforations:  
1588' - 1598'

Perforate @ 1629' (1997)

Perforate @ 2600' (1997)

TOC @ 3750' (T.S.)

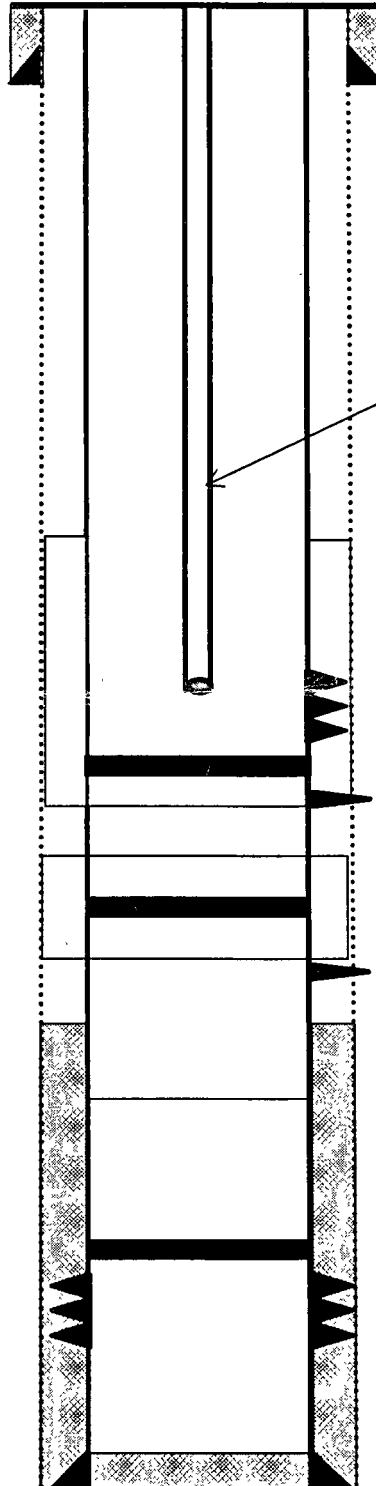
Set CIBP @ 5120' (1997)

Gallup Perforations:  
5241' - 5286'

8 7/8" hole

5 5/8" 15.5#, J-55 Casing set @ 5350'  
Cement with 300 sxs

TD 5350'  
PBTD 1625'



# Brookhaven A #2

## Proposed P&A

Basin Fruitland Coal

790' FSL, 1650' FEL, Section 29, T-25-N, R-10-W,

San Juan County, NM / API #30-045-05215

Lat/Long: 36.366943/107.915985

Today's Date. 10/20/11

Spud. 5/5/57

GI Completed: 8/11/157

FtC Completed: 8/29/97

Elevation. 6716' GR  
6726' KB

13 75" hole

Ojo Alamo @ 740'

Kirtland @ 868'

Fruitland @ 1385'

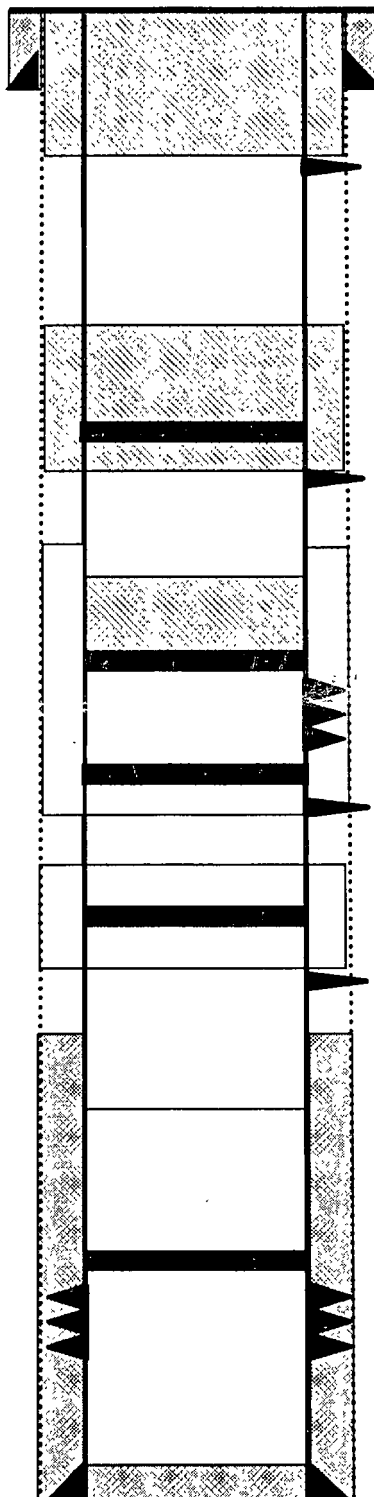
Pictured Cliffs @ 1602'

Mesaverde @ 2400'

Gallup @ 5070'

Dakota @ 8111'

8.75" hole



10.75", 32.75# Casing set @ 172'  
Cement with 150 sxs (Circulated to Surface)

Perforate @ 252'

Plug #3: 252' - 0'  
Class B cement, 120 sxs

Set CR @ 868'

Perforate @ 918'

CBL run 2008 Operator said  
poor cement above Fruitland top.

Set CIBP @ 1538'

Plug #2: 918' - 690'  
Class B cement, 130 sxs:  
32 inside and 98 outside

Fruitland Coal Perforations:  
1588' - 1598'

Perforate @ 1629' (1997)

Perforate @ 2600' (1997)

TOC @ 3750' (T.S.)

Set CIBP @ 5120' (1997)

Gallup Perforations  
5241' - 5286'

5 5" 15.5#, J-55 Casing set @ 5350'  
Cement with 300 sxs

TD 5350'  
PBD 1625'

**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
1235 LA PLATA HIGHWAY  
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: 2 Brookhaven A

**CONDITIONS OF APPROVAL**

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. The following modifications to your plugging program are to be made:
  - a) Bring the top of the Fruitland plug to 1240'.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.