

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMLC028793A
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator MARBOB ENERGY CORPORATION Contact: DIANA CANNON E-Mail: production@marbob.com		7. If Unit or CA Agreement, Name and No. NMNM88525X
3a. Address P O BOX 227 ARTESIA, NM 88211-0227		8. Lease Name and Well No. BURCH KEELY UNIT 933
3b. Phone No. (include area code) Ph: 505.748.3303 Fx: 505.746.2523		9. API Well No. 6497
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface SESW Lot N 660FSL 1980FWL At proposed prod. zone SESW Lot N 660FSL 1980FWL		10. Field and Pool, or Exploratory GRBG JACKSON SR Q GRBG SA
14. Distance in miles and direction from nearest town or post office* SEE SURFACE USE PLAN		11. Sec., T., R., M., or Blk. and Survey or Area Sec 18 T17S R30E Mer NMP
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 660'	16. No. of Acres in Lease 629.70	12. County or Parish EDDY
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 4800 MD	13. State NM
21. Elevations (Show whether DF, KB, RT, GL, etc.) 3637 GL	22. Approximate date work will start 04/25/2003	17. Spacing Unit dedicated to this well 40.00
		20. BLM/BLA Bond No. on file
		23. Estimated duration 21 DAYS

24. Attachments

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

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|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification  |
| 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). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) DIANA CANNON	Date 03/21/2003
Title AUTHORIZED REPRESENTATIVE		
Approved by (Signature) /s/ LESLIE A. THEISS	Name (Printed/Typed) /s/ LESLIE A. THEISS	Date MAY 06 2003
Title FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application approval does not warrant or certify 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.

Additional Operator Remarks (see next page)

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

Electronic Submission #19848 verified by the BLM Well Information System  
For MARBOB ENERGY CORPORATION, sent to the Carlsbad  
Field Office for processing by Armando Lopez on 03/24/2003 (03AL0200AE)

**Additional Operator Remarks:**

12 1/4" HOLE - 8 5/8" 24# J55 CSG SET @ 350' - CMT W/ 300 SX  
7 7/8" HOLE - 5 1/2" 17# J55 CSG SET @ 4800' - CMT SUFFICIENT TO COVER 200' ABOVE ALL KNOWN OIL & GAS HORIZONS.

PRESSURE CONTROL EQUIPMENT: WE WILL BE USING A 2M SYSTEM. (SEE EXHIBIT #1)

PAY ZONE WILL BE SELECTIVELY PERFORATED AND STIMULATED AS NEEDED FOR OPTIMUM PRODUCTION.

MASTER SURFACE USE PLAN ON FILE AT BLM ROSWELL.

INCLUDED IN THE ATTACHMENT ARE:

1. FORM C-102 - WELL LOCATION & ACREAGE DEDICATION PLAT
2. DRILLING PROGRAM
3. SURFACE USE AND OPERATING PLAN
3. ADDITIONAL REQUIRED SUPPLEMENTAL DRILLING DATA - EXHIBITS #1 (4 PGS) - #4

MAR 04 2003

## DISTRICT I

P.O. Box 1522, Hobbs, NM 88241-1522

## State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

## DISTRICT II

P.O. Drawer DD, Artesia, NM 88211-0712

## OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

## DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

## DISTRICT IV

P.O. Box 2088, Santa Fe, N.M. 87504-2088

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number <b>30-015-</b>	Pool Code <b>28509</b>	Pool Name <b>GRBG JACKSON SR Q GRBG SA</b>
Property Code <b>6497</b>	Property Name <b>BURCH KEELY UNIT</b>	Well Number <b>933</b>
GRID No. <b>14049</b>	Operator Name <b>MARBOB ENERGY CORPORATION</b>	Elevation <b>3637'</b>

## Surface Location

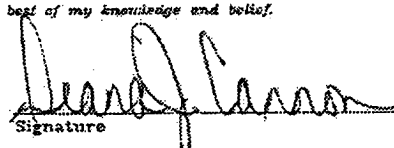
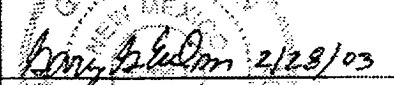
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	<b>18</b>	<b>17-S</b>	<b>30-E</b>		<b>660</b>	<b>SOUTH</b>	<b>1980</b>	<b>WEST</b>	<b>EDDY</b>

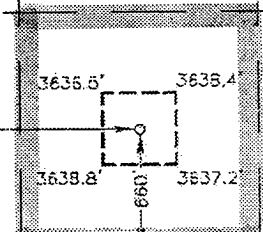
## Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

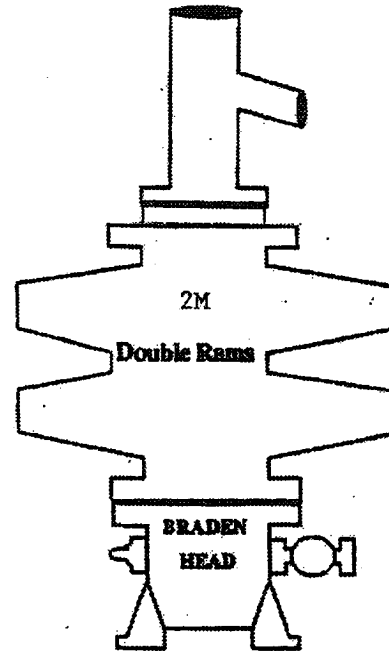
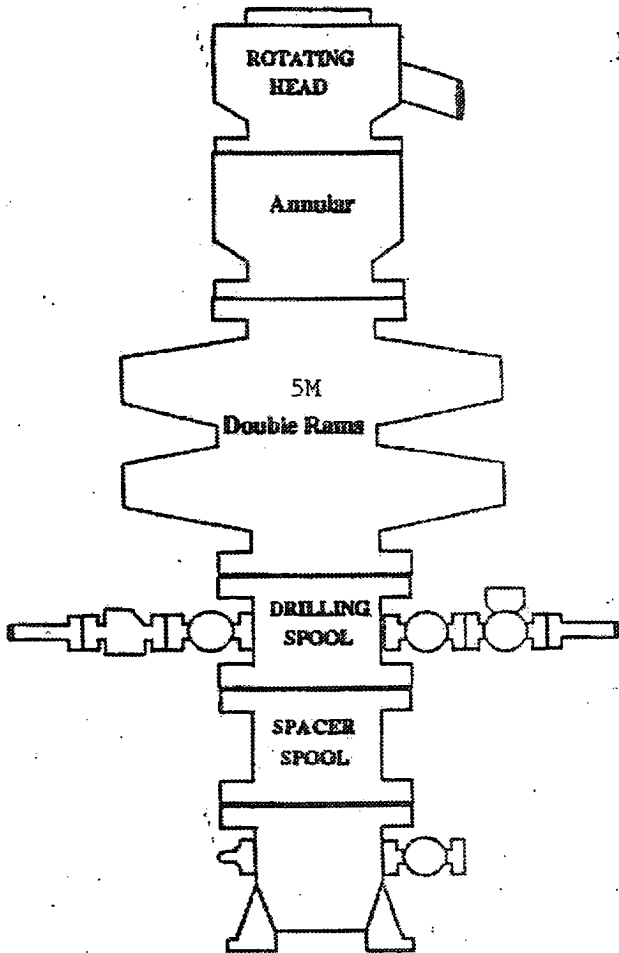
Dedicated Acres <b>40</b>	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

LOT 1						<b>OPERATOR CERTIFICATION</b>  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signature <b>DIANA J. CANNON</b> Printed Name <b>PRODUCTION ANALYST</b> Title <b>MARCH 21, 2003</b> Date
37.37 AC.						
LOT 2						
37.38 AC.						
LOT 3						<b>SURVEYOR CERTIFICATION</b>  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.  <b>FEBRUARY 20, 2003</b> Date Surveyed Signature & Seal of Professional Surveyor  <b>03.11.0226</b> Certificate No. <b>RONALD J. EIDSON 3299</b> <b>GARY EIDSON 12841</b>
37.41 AC.						
LOT 4						
37.43 AC.						

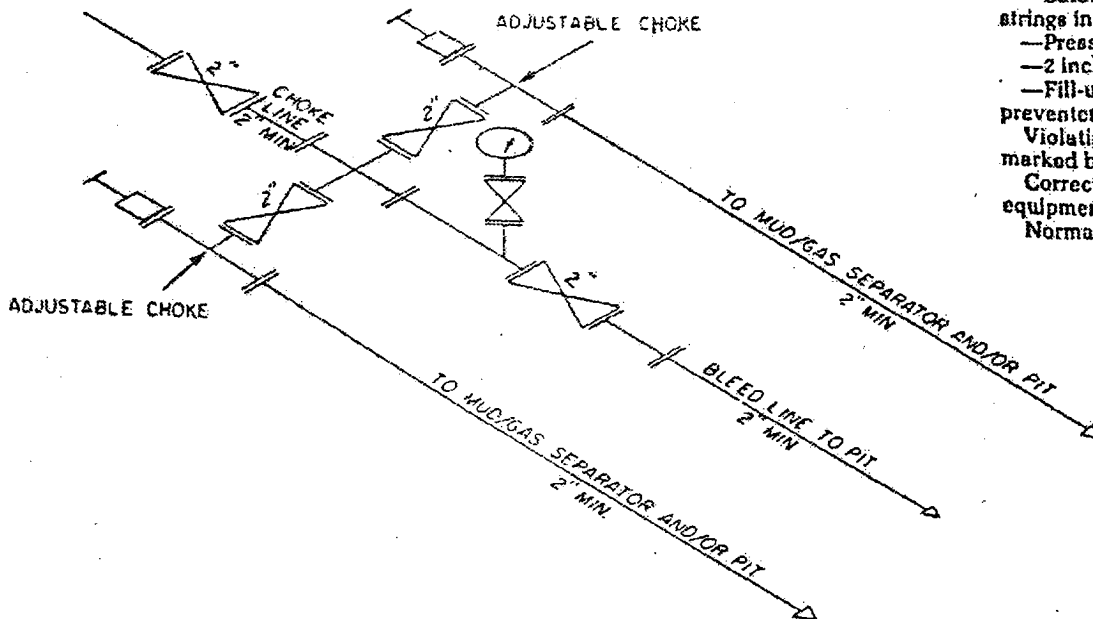


# BOPE SCHEMATIC



ONSHORE OIL AND GAS ORDER NO. 2

- 2M system:
- Annular preventer, or, double ram, or two rams with one being blind and one being a pipe ram \*
  - Kill line (2 inch minimum)
  - 1 kill line valve (2 inch minimum)
  - 1 choke line valve
  - 2 chokes (refer to diagram in Attachment 1)
  - Upper kelly cock valve with handle available
  - Safety valve and subs to fit all drill strings in use
  - Pressure gauge on choke manifold
  - 2 inch minimum choke line
  - Fill-up line above the uppermost preventer.
- Violation: Minor (all items unless marked by asterisk).
- Corrective Action: Install the equipment as specified.
- Normal Abatement Period: 24 hours.



2M CHOKES MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES

MAY VARY

Exhibit One