

**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 <b>MARBOB ENERGY CORP</b> PO Box 227 Artesia, NM 88211		2. OGRID Number 14049
		3. API Number 30-025-38864
4. Property Code 37137	5. Property Name BUCKO STATE	6. Well No. 001

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	12	19S	34E	C	990	N	1980	W	LEA

**8. Pool Information**

AIRSTRIP,WOLFCAMP	970
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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 3957
14. Multiple N	15. Proposed Depth	16. Formation Wolfcamp	17. Contractor	18. Spud Date 5/22/2008
Depth to Ground water 67		Distance from nearest fresh water well		Distance to nearest surface water

Pit: Liner: Synthetic ☐      mils thick    Clay ☐    Pit Volume:      bbls    Drilling Method:  
 Closed Loop System ☒      Fresh Water ☐    Brine ☐    Diesel/Oil-based ☐    Gas/Air ☐

**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	54.5	450	450	0
Int1	12.25	9.625	36	3550	750	0
Prod	7.875	5.5	17	11800	1050	3000

**Casing/Cement Program: Additional Comments**

We propose to drill 17 1/2 inch hole to 450 ft with fresh water, run 54.5 lb J-55 13 3/8 inch csg and set at 450 ft with 450 sx cmt, circ to surface; dnl 12 1/4 inch hole to 3550 ft with brine water, run 36 lb J-55 9 5/8 inch csg and set at 3550 ft with 750 sx cmt, circ to surface; dnl 7 7/8 inch hole to 11800 ft with cut brine water, run 17 lb N80 5 1/2 inch csg and set at 11800 ft with 1050 sx cmt, TOC 3000.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	Cameron

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. <b>I further certify that the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .</b> Printed Name: Electronically filed by Diana Briggs Title: Production Analyst Email Address: production@marbob.com Date: 4/23/2008      Phone: 505-748-3303	<b>OIL CONSERVATION DIVISION</b>  Approved By: Paul Kautz Title: Geologist Approved Date: 4/25/2008    Expiration Date: 4/25/2010  Conditions of Approval Attached
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**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 73281

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-025-38864	2. Pool Code 970	3. Pool Name AIRSTRIP;WOLFCAMP
4. Property Code 37137	5. Property Name BUCKO STATE	6. Well No. 001
7. OGRID No. 14049	8. Operator Name MARBOB ENERGY CORP	9. Elevation 3957

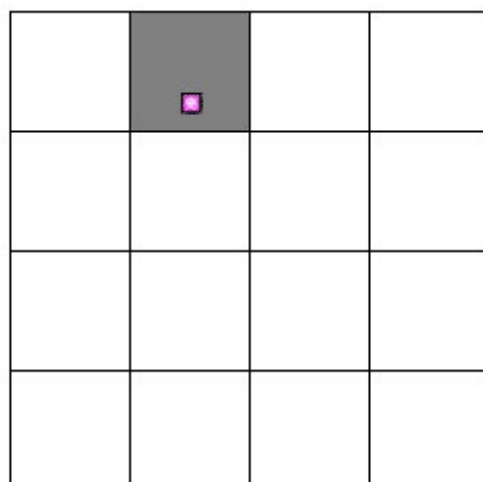
**10. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	12	19S	34E	C	990	N	1980	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**



**OPERATOR CERTIFICATION**

*I hereby certify that the information contained 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(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

E-Signed By: Diana Briggs  
 Title: Production Analyst  
 Date: 4/23/2008

**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.*

Surveyed By: Ronald Eidson  
 Date of Survey: 4/3/2008  
 Certificate Number: 3239

## Permit Comments

Operator: MARBOB ENERGY CORP , 14049

Well: BUCKO STATE #001

API: 30-025-38864

Created By	Comment	Comment Date
MARBOB4	Surface location comments for Gas: We plan to complete this well in the Morrow and do not anticipate cutting any formations during drilling that contain H2S gas. Therefore we do not believe an H2S contingency plan is necessary.	4/22/2008
pkautz	You state that the deepest formation is Wolfcamp. Comments indicate Morrow Gas, Pool for bottomhole indicates Bone Spring. Well td indicates Wolfcamp. Please correct and resubmit.	4/23/2008
pkautz	If Bone Spring is target need to dedicate 80 acres. Also location requieres NSL for Scharb;Bone Spring pool.	4/23/2008
MARBOB4	We plan to complete this well in the Wolfcamp and do not anticipate cutting any formations during drilling that contain H2S gas. Therefore we do not believe an H2S contingency plan is necessary.	4/23/2008

# Permit Conditions of Approval

Operator: MARBOB ENERGY CORP , 14049

Well: BUCKO STATE #001

API: 30-025-38864

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