

District II  
1301 W. Grand Ave., Artesia, NM 88210  
Phone:(505) 748-1283 Fax:(505) 748-9720

Form C-101  
Permit 66793

**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 30-015-36029
4. Property Code 36930	5. Property Name COURSAIR STATE COM	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
A	2	19S	31E	1	660	N	660	E	EDDY

**8. Pool Information**

SHUGART;MORROW (GAS)	85300
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**Additional Well Information**

9. Work Type New Well	10. Well Type GAS	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3627
14. Multiple N	15. Proposed Depth	16. Formation Morrow	17. Contractor	18. Spud Date 2/3/2007
Depth to Ground water 250		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mils thick Clay <input type="checkbox"/> Pit Volume:      bbls Drilling Method: Closed Loop System <input checked="" type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**19. Proposed Casing and Cement Program**

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17	13.375	54.5	825	500	0
Int1	12.25	9.625	36	3000	600	600
Prod	7.875	5.5	17	12300	950	2800

**Casing/Cement Program: Additional Comments**

We propose to drill 17 inch hole to 825 ft with fresh water, run 54.5 lb J-55 13 3/8 inch csg and set at 825 ft with 500 sx cmt, circ to surface; drl 12 1/4 inch hole to 3000 ft with brine water, run 36 lb J-55 9 5/8 inch csg and set at 3000 ft with 600 sx cmt, TOC 600'; drl 7 7/8" inch hole to 12300 ft with cut brine water, run 5 1/2 inch 17 lb S95/P110 csg and set at 12300 ft with 950 sx cmt, TOC 2800'

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	5000	5000	Cameron

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.  
 I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

**OIL CONSERVATION DIVISION**

Printed Name: Electronically filed by Diana Briggs

Approved By: Bryan Arrant

Title: Production Analyst

Title: Geologist

Approved Date: 1/9/2008

Expiration Date: 1/9/2009

Email Address: production@marbob.com

Date: 1/3/2008

Phone: 505-748-3303

Conditions of Approval Attached

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
 Permit 66793

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-36029	2. Pool Code 85300	3. Pool Name SHUGART;MORROW (GAS)
4. Property Code 36930	5. Property Name COURSAIR STATE COM	6. Well No. 001
7. OGRID No. 14049	8. Operator Name MARBOB ENERGY CORP	9. Elevation 3627

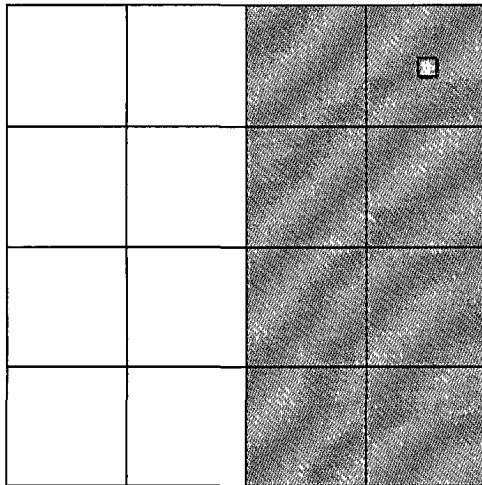
**10. Surface Location**

UL - Lot 1	Section 2	Township 19S	Range 31E	Lot Idn 1	Feet From 660	N/S Line N	Feet From 660	E/W Line E	County EDDY
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**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 319.79	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: 1/3/2008

**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: 9/27/2007

Certificate Number: 3239

## Permit Conditions of Approval

**Operator:** MARBOB ENERGY CORP , 14049

**Well:** COURSAIR STATE COM #001

**API:** 30-015-36029

OCD Reviewer	Condition
BArrant	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
BArrant	As noted, operator to drill surface hole w/fresh water mud

## Permit Comments

Operator: MARBOB ENERGY CORP , 14049

Well: COURSAIR STATE COM #001

API:

Created By	Comment	Comment Date
MARBOB4	Marbob will be using a closed mud loop system with fresh water pits.	12/31/2007
MARBOB4	We plan to complete this well in the Morrow which is sweet and we don't anticipate cutting any formations that contain H2S gas during the drilling of the above referenced well. Therefore, we do not believe that an H2S contingency plan is necessary.	12/31/2007