

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 MARBOB ENERGY CORP PO Box 227 Artesia, NM 88211		2. OGRID Number 14049
		3. API Number 30-015-35151
4. Property Code 36024	5. Property Name MYOX 31 STATE COM	6. Well No. 003

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
J	31	25S	28E	J	1980	S	1980	E	EDDY

8. Pool Information

HAY HOLLOW MORROW (GAS)	78260
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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 3036
14. Multiple N	15. Proposed Depth 13000	16. Formation Morrow	17. Contractor	18. Spud Date 10/20/2006
Depth to Ground water 250		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic ☒ 12 miles thick Clay ☐ Pit Volume: 3000 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	48	400	400	0
Int1	12.25	9.625	36	2200	600	0
Int2	8.75	7	23	9000	700	2000
Prod	6.125	4.5	11.6	13000	300	8500

Casing/Cement Program: Additional Comments

We propose to drill 17 1/2 inch hole to 400 ft with fresh water, run 48 lb H-40 13 3/8 inch csg and set at 400 ft with 400 sx cmt, circ to surface; dnl 12 1/4 inch hole to 2200 ft with brine water, run 36 lb J-55 9 5/8 inch csg and set at 2200 ft with 600 sx cmt, circ to surface; dnl 8 3/4 inch hole to 9000 ft with cut brine water, run 7 inch 23 lb P110/L80 csg and set at 9000 ft with 700 sx cmt, TOC 2000; dnl 6 1/8 inch hole to 13000 feet with cut brine water, run 4 1/2 inch 11.6 lb P110 csg and set at 13000 ft with 300 sx cmt, Tie in 7 inches.

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 NMOCB guidelines ☐ a general permit ☒ or an (attached) alternative OCB-approved plan ☐ .	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Diana Briggs	Approved By: Bryan Arant
Title: Production Analyst	Title: Geologist
Email Address: production@marbob.com	Approved Date: 9/20/2006 Expiration Date: 9/20/2007
Date: 9/20/2006 Phone: 505-748-3303	Conditions of Approval Attached

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 38338

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-35151	2. Pool Code 78260	3. Pool Name HAY HOLLOW MORROW (GAS)
4. Property Code 36024	5. Property Name MYOX 31 STATE COM	6. Well No. 003
7. OGRID No. 14049	8. Operator Name MARBOB ENERGY CORP	9. Elevation 3036

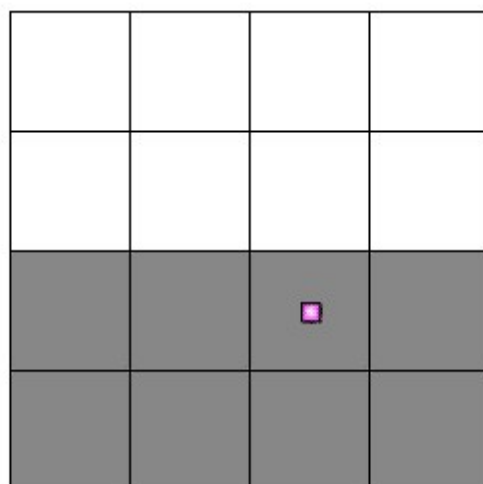
10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
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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 320.16		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: 9/20/2006

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: Gary Eidson
 Date of Survey: 8/28/2006
 Certificate Number: 12641

Permit Comments

Operator: MARBOB ENERGY CORP , 14049

Well: MYOX 31 STATE COM #003

API: 30-015-35151

Created By	Comment	Comment Date
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.	9/20/2006

Permit Conditions of Approval

Operator: MARBOB ENERGY CORP , 14049

Well: MYOX 31 STATE COM #003

API: 30-015-35151

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	Surface casing needs to be set above the Salado. Please refer to offset geology for more information.