

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
May 27, 2004

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505 **OCD-ARTESIA**

Submit to appropriate District Office

☐ AMENDED REPORT

JUL 23 2007

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address Marbob Energy Corporation PO Box 227 Artesia, NM 88211-0227		<sup>2</sup> OGRID Number 14049
		<sup>3</sup> API Number 30 - 015-33062
<sup>4</sup> Property Code 33059	<sup>5</sup> Property Name Wild Cap State Com	<sup>6</sup> Well No. 1
<sup>9</sup> Proposed Pool 1 Lusk Strawn		<sup>10</sup> Proposed Pool 2 Bone Spring
<sup>11</sup> Proposed Pool 3 Delaware		

**7 Surface Location**

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	36	19S	31E		1980	South	660	East	Eddy

**8 Proposed 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

**Additional Well Information**

<sup>11</sup> Work Type Code P	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3502' GL
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 12941'	<sup>18</sup> Formation Morrow	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 5/16/06
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner. Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method:				
Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**21 Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	54#	879'	750 sx	0
12 1/4"	9 5/8"	36#	4437'	1675 sx	0
7 7/8"	5 1/2"	17#	12939'	1950 sx	3200'

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Marbob Energy Corporation proposes to perforate, acidize, test & possibly frac the following Strawn, Bone Spring & Delaware zones as follows.

CIBP + 35' cmt set @ 12450'.

Strawn 11560' - 11610' (20 shots) 2000 gal NE Fe 15% HCl acid

CIBP + 35' cmt set @ 11525'. CIBP + 35' cmt set @ 10400'.

2<sup>nd</sup> Bone Spring Sand 9322' - 9336' (45 shots) 1000 gal NE Fe 7 1/2% HCl acid

Bone Spring Dolomite 8928' - 8932' (10 shots) 1000 gal NE Fe 20% HCl acid

1<sup>st</sup> Bone Spring Sand 8468' - 8482' (45 shots) 1000 gal NE Fe 7 1/2% HCl acid

If Bone Spring is to be abandoned, will set CIBP + 35' cmt @ 8425'. If Bone Spring is to be downhole commingled with Delaware, will set CIBP or RBP above Bone Spring while testing Delaware.

Delaware Sand 1 7101' - 7106' (18 shots) 500 gal NE Fe 7 1/2% HCl acid

Delaware Sand 2 5982' - 5992' (22 shots) 500 gal NE Fe 7 1/2% HCl acid

Delaware Sand 3 5270' - 5288' (19 shots) 500 gal NE Fe 7 1/2% HCl acid

<sup>23</sup> 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 NMOC guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature.

Printed name Diana J Briggs

Title: Production Analyst

E-mail Address: production@marbob.com

Date: 7/20/07

Phone: (505) 748-3303

**OIL CONSERVATION DIVISION**

Approved by

**BRYAN G. ARRANT**

**DISTRICT II GEOLOGIST**

Approval Date

**AUG 20 2007**

Expiration Date:

**AUG 20 2008**

Conditions of Approval Attached ☐

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241-1980

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 88211-0719

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-33062	Pool Code 41589	Pool Name Lusk STRAWN
Property Code 33059	Property Name WILD CAP STATE COM	Well Number 1
OGRID No. 14049	Operator Name MARBOB ENERGY CORPORATION	Elevation 3502'

Surface Location

UL or lot No. 1	Section 36	Township 19-S	Range 31-E	Lot Idn	Feet from the 1980'	North/South line SOUTH	Feet from the 660'	East/West line EAST	County EDDY
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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 160	Joint or Infill	Consolidation Code	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

<p>GEODETIC COORDINATES NAD 27 NME Y = 587847.1 N X = 659358.3 E LAT. 32°36'54.10"N LONG. 103°48'56.82"W</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Diana J. Briggs</i> Signature DIANA J. BRIGGS Printed Name PRODUCTION ANALYST Title JULY 20, 2007 Date</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>July 28, 2003 Date Surveyed A.W.B. Signature &amp; Seal of Professional Surveyor GARY EIDSON NEW MEXICO 7/31/03 03.11.0788 Certificate No. RONALD J. EIDSON 3239 GARY EIDSON 12641</p>
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