

District I  
1625 N French Dr, Hobbs, NM 88240  
District II  
1301 W Grand Avenue, Artesia, NM 88211  
District III  
1000 Rio Brazos Road, Aztec, NM 87414  
District IV  
1220 S St Francis Dr, Santa Fe, NM 87505

RECEIVED

DEC 21 2009

HOBBSOCD

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-101  
June 16, 2008

Submit to appropriate District Office

☐ AMENDED REPORT

### 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 - 025-28038 ✓	
<sup>4</sup> Property Code 33215 ✓	<sup>5</sup> Property Name Featherhoser State		<sup>6</sup> Well No 1 ✓
<sup>9</sup> Proposed Pool 1 Saunders Permo Upper Penn South		<sup>10</sup> Proposed Pool 2 Wolfcamp	

### <sup>7</sup> Surface Location

UL or lot no F	Section 20	Township 15S	Range 33E	Lot Idn	Feet from the 1980	North/South line North	Feet from the 2310	East/West line West	County Lea ✓
-------------------	---------------	-----------------	--------------	---------	-----------------------	---------------------------	-----------------------	------------------------	-----------------

### <sup>8</sup> 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 <del>same</del> zone	<sup>12</sup> Well Type Code G 9	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S ✓	<sup>15</sup> Ground Level Elevation 4220'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 12850'	<sup>18</sup> Formation Morrow	<sup>19</sup> Contractor	<sup>20</sup> Spud Date

### <sup>21</sup> 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" existing	48#	460'	800 sx	0
12 1/4"	9 5/8" existing	36#	4465'	1750 sx	0
8 1/2"	5 1/2" existing	17#	12775'	1940 sx	4620' TS

<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 and test the Penn and Wolfcamp zones as follows

Set CIBP + 35" cmt @ 11190'

Penn 10346' - 10564' (10 shots)

2000 gal NE Fe 15% HCl acid

Plug back technique to be determined.

Wolfcamp 9837' - 9862' (11 shots)  
10126' - 10158' (10 shots)

3000 gal NE Fe 15% 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

Signature

Printed name Diana J. Briggs

Title Production Manager

E-mail Address production@marbob.com

Date December 18, 2009

Phone (575) 748-3303

OIL CONSERVATION DIVISION

Approved by

Title:

Approval Date JAN 06 2010

Expiration Date

Conditions of Approval Attached ☐

Permit Expires 2 Years From Approval  
Date Unless Drilling Underway  
Plug back  
Same Pool

# WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-28038		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name Saunders Permo Upper Penn South	
<sup>4</sup> Property Code 33215		<sup>5</sup> Property Name Featherhoser State			<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 14049		<sup>8</sup> Operator Name Marbob Energy Corporation			<sup>9</sup> Elevation 4220'

## <sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	20	15S	33E		1980	North	2310	West	Lea

## <sup>11</sup> 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
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

<sup>12</sup> Dedicated Acres 320.40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

<sup>16</sup>	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> 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 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. Signature: Diana J Briggs Date: December 18, 2009 Printed Name: Diana J Briggs Title: Production Manager
	<sup>18</sup> <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. November 15, 1982 Date of Survey: Signature and Seal of Professional Surveyor: REFER TO ORIGINAL PLAT John W West 676 Certificate Number: