

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

RECEIVED

Submit to appropriate District Office

JAN 19 2006

☐ AMENDED REPORT

OCD-ARTESIA

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

<sup>1</sup> Operator Name and Address <b>BP AMERICA PRODUCTION COMPANY – 501 Westlake Park Blvd – Rm 6.115, Houston, TX 77079</b>		<sup>2</sup> OGRID Number <b>000778</b>
		<sup>3</sup> API Number <b>30 – 015-34028</b>
<sup>4</sup> Property Code	<sup>5</sup> Property Name <b>SLIDER 6 STATE</b>	<sup>6</sup> Well No. <b>1</b>
<sup>9</sup> Proposed Pool 1 <b>Undes. Empire (Wolfcamp)</b>		<sup>10</sup> Proposed Pool 2 <b>22420</b>

<sup>7</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
<b>G</b>	<b>6</b>	<b>18S</b>	<b>28E</b>		<b>2285</b>	<b>North</b>	<b>1366</b>	<b>East</b>	<b>Eddy</b>

<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
<b>G</b>	<b>6</b>	<b>18S</b>	<b>28E</b>		<b>1742</b>	<b>North</b>	<b>1508</b>	<b>East</b>	<b>Eddy</b>

Additional Well Information

<sup>11</sup> Work Type Code <b>P</b>	<sup>12</sup> Well Type Code <b>G</b>	<sup>13</sup> Cable/Rotary <b>R</b>	<sup>14</sup> Lease Type Code <b>S</b>	<sup>15</sup> Ground Level Elevation <b>3662'</b>
<sup>16</sup> Multiple <b>No</b>	<sup>17</sup> Proposed Depth <b>10433' (current)</b>	<sup>18</sup> Formation <b>Wolfcamp</b>	<sup>19</sup> Contractor	<sup>20</sup> Spud Date <b>6/19/05</b>
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"/>				

<sup>21</sup> Proposed Casing and Cement Program \*EXISTING CASING WILL NOT BE CHANGED

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC

<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.

BP America Production Company drilled the referenced well. It was tested in the Illinois Cam; Morrow (North) pool. However, it was a dry hole. A completion report was submitted (attached for review).

BP respectfully requests approval to plug back and complete in the Chalk Bluff (Wolfcamp) per the attached procedure and wellbore schematic. Operations are anticipated to commence on February 1, 2006.

For Work only NSC Required to produce

<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 NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Susan Becnel

*Susan Becnel*

Title: Regulatory Consultant

Approved by:

OIL CONSERVATION DIVISION

Title:

*Jim W. Gurn*  
*District II Supervisor*

Approval Date: JAN 24 2006

Expiration Date: JAN 24 2007

E-mail Address: becns1@bp.com

Date: 1/18/06

Phone: 281-366-1842

Conditions of Approval Attached ☐

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II  
P.O. Brewer DD, Artesia, NM 88211-0719

DISTRICT III  
1000 Elmo Brazos Rd., Artesia, NM 87410

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised August 15, 2000  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-015-34028</b>	Pool Code <b>22420</b>	Property Name <b>SLIDER STATE "6"</b>	Well Number <b>1</b>
Property Code <b>34696</b>	Operator Name <b>BP AMERICA PRODUCTION COMPANY</b>		Elevation <b>3662'</b>
GRID No. <b>000778</b>			

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	6	18 S	28 E		2285	NORTH	1366	EAST	EDDY

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
G	6	18 S	28 E		1682	NORTH	1523	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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 Coordinate Latitude = 32°46'43.38" N Longitude = 104°12'38.30" W</p> <p>Plane Coordinate X = 537,710.0 Y = 647,030.0</p> <p>Geodetic Coordinate Latitude = 32°46'37.45" N Longitude = 104°12'36.47" W</p> <p>Plane Coordinate X = 537,866.6 Y = 646,430.6</p> <p>Bottom Hole Location 1523'</p> <p>Surface Location 1366'</p> <p>Top of Penetration in Chalk Bluff (Artificial)</p> <p>Feet from the North/South line 2285'</p> <p>Feet from the East/West line 1366'</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><u>Susan Becnel</u> Signature</p> <p><u>SUSAN BECNEL</u> Printed Name</p> <p><u>Regulatory Cons.</u> Title</p> <p><u>January 10, 2006</u> 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><u>November 30, 2004</u> Date Surveyed</p> <p><u>[Signature]</u> Signature &amp; Seal of Professional Surveyor</p> <p><u>W.O. Num. 2004-0883</u> Certificate No.</p> <p><u>MACON McDONALD 12185</u> LVA</p>

NOTE:

- 1) Plane Coordinates shown hereon are Transverse Mercator Grid and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.
- 2) Geodetic Coordinates shown hereon references the North American Datum of 1927, (Clarke Spheroid of 1866). Reference Stations - "WHITE SANDS" - CORS (AF9528), "ROSWELL" - CORS (DG6517) and "ODESSA RRP2" - CORS (DF5393).

# BP America Production Company

Slider 6 State, # 1

API 30-015-34028

## Wolfcamp Re-completion

- MIRU service unit.
- Kill well with brine water. POH with tubing.
- Set retainer  $\pm 10,050'$ . Squeeze perforations with 75 sk neat cement. Dump 2 bbl on top of retainer. TOH.
- Set CIBP  $\pm 7380'$  (above squeezed casing leak).
- Spot 1000 gal. 15% HCl from 7,251' up. TOH.
- Perforate lower Wolfcamp 7,240-7,250', @ 4 jspf.
- Breakdown with 10 bbl fresh water @ 5 bpm.
- Perforate upper Wolfcamp 7,030-7,036' @ 2 jspf.
- Establish breakdown rate of 5-10 bpm with 20 bbl fresh water.
- Frac Wolfcamp down casing.
- RDMO frac equipment. Flow back frac.
- Check for fill. Clean out if required.
- Run rods & pump.
- Turn over to production.

Not to scale:  
 Updated 1/10/2006

Surface Casing  
 13-3/8" 48# H-40 at 468'  
 TOC - Surface

Intermediate Casing  
 8-5/8" 32# J-55 at 3,121'  
 TOC - Surface

Wolfcamp 7,030-7,036' (planned)  
 Perfs: 7,240-7,250' (planned)

→ CIPB + 7380'  
 planned new PBTD

planned Morrow plug  
 Morrow 10,130-10,136'  
 Perfs: 10,162-10,168'  
 (2 jspl, 26 holes, 0.4" ehd)

Production Casing  
 5-1/2" 17# P-110 at 10,421'  
 TOC - Stg 1 = 7950'  
 TOC - Stg 2 =

TD at 10,433'

TOC=+2630'  
 (CBL 9/12/2005)

7389-7398' csg leak  
 squeezed  
 DV Tool at 7,516'

TOC=+7950'  
 CBL 8/25/2005  
 CBL 9/8/2005

PBTD at 10,378' (FC)

## Slider 6 State, #1

GL Elev: 3662' Operator: BP America Production Company  
 KB Elev: 3676' API: 30.015.34028.0000  
 TMD: 10,433' Latitude: 32.777069 North  
 TVD: 9,538' Longitude: 104.210131 West  
 PBD: 10,378' (FC)  
 Surf. Loc: 2285' FNL  
 1366' FEL  
 Location: S6-T18S-R28E Field: Artesia  
 County: Eddy Status: Awaiting Wolfcamp re-completion  
 State: New Mexico Scope: Abandon Morrow,  
 perforate & stimulate Wolfcamp

Casing	Weight	Grade	Depth	Cmt Sk	Hole	TOC
20"			40'		24"	Surface
13-3/8	48	H-40	468'	600	17-1/2"	Surface (circ.)
8-5/8	40	J-55	3,121'	600/300	11"	Surface (circ.)
5-1/2	17	P-110	10,421'	65/410	7-7/8"	Stg 1 = 7950' (CBL)
				580/145		no circulation

### Date Event

6/18/2005 Spud  
 8/12/2005 Rig release

Note: losses while drilling 5629-6009' full losse  
 7724' partial loss  
 9214' full losse

8/22/2005 MIRU pulling unit for Morrow completion  
 8/25/2005 CBL 7200'-TD (cmt from 7950'-TD)  
 8/27/2005 Frac Morrow, screen-out, on vacuum - possible casing failure  
 9/2/2005 Squeeze holes in csg 7389-7398' in casing w 300/360 sk cmt  
 9/8/2005 CBL 5800'-8400' (cmt from 6250'-7516' and 7950'-8400')  
 9/11/2005 BH squeeze w 600/200 sk cmt  
 9/12/2005 CBL 2300'-6400' (cmt from 2630'-6400')  
 9/18/2005 Turn over to production