

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

DISTRICT II  
1301 W. Grand Avenue, Atesia, NM 88240

DISTRICT III  
1000 Rio Brazos Road, Aztec, NM 87410

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

STATE OF NEW MEXICO  
Energy, Minerals and Natural Resources Department

Form C-101  
May 27, 2004

HOBBS OCD

Submit to Appropriate District Office

OIL CONSERVATION DIVISION

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

AMENDED REPORT

NOV 06 2013

RECEIVED

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

1 Operator Name and Address PALADIN ENERGY CORP. 10290 Monroe Drive, Suite 301 Dallas, Texas 75229		2 OGRID Number 164070
		3 API Number 30-025-37429
4 Property Code 22557	5 Property Name South Vacuum	6 Well No. 221
9 Proposed Pool 1 Vacuum; Devonian South		10 Proposed Pool 2

7 Surface Location

UL or lot No. N	Section 22	Township 18-S	Range 35-E	Lot. Ind	Feet from the 910	North/South Line South	Feet from the 1650	East/West Line West	County Lea
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8 Proposed Bottom Hole Location If Different From Surface

UL or lot No. N	Section 22	Township 18-S	Range 35-E	Lot. Ind	Feet from the 752	North/South Line South	Feet from the 1680	East/West Line West	County Lea
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Additional Well Information

11 Work Type Code P	12 Well Type Code O	13 Cable/Rotary Rotary	14 Lease Type Code S	15 Ground Level Elevation 3901'
16 Multiple No	17 Proposed depth 14,500'	18 Formation Granite Wash	19 Contractor	20 Spud Date
Depth to Groundwater: approx 60'		Distance from nearest fresh water well 1500'		
Pit: Liner: Synthetic <input type="checkbox"/> Clay <input type="checkbox"/> Pit Volume: bbls		Drilling Method: Fresh Water <input type="checkbox"/>		
Closed-Loop System <input checked="" 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 Cement	Estimated TOC
17-1/2"	13-3/8"	48#	416'	630 Sacks	Sur
12-1/4"	9-5/8"	40#	3,931'	1370 Sacks	Sur
8-3/4"	7"	26 & 29#	12,745'	1220 Sacks	5,000'
6-1/4"	5"	18#	14,592'	250 Sacks	12,720'

22 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.

Squeeze Mississippian perfs from 10,744-820', 10,824-38', 10,846-872'. Drill out cement Circulate hole.  
Drill out CIBP at 11,835'. GIH and perforate Devonian formation for production from 11,670'-720',  
11,740-760', 11,784-834'.  
Acidize perforations with 7000 gallons 15% HCL, two stages. Swab back.  
Install 4-1/8" ESP submersible pump and bring well on production.

(closed loop system)

47 I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drill pit will be constructed according NMOCD guideline X, a general permit     , Or an (attached) alternative

OCD-approved plan     

Printed name: David Plaisance

Title: V.P. Exploration & Production

E-mail Address: dplaisance@paladinenergy.com

Date: 11/1/2013

Phone: 214-654-0132

OIL CONSERVATION DIVISION

Approved by:

Title: Petroleum Engineer

Approval Date: 11/06/13

Expiration Date: 11/06/15

Conditions of Approval:  
Attached ☐

NOV 06 2013

**District I**

1625 N. French Dr., Hobbs, NM 88240

**District II**

811 South First, 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 & Natural Resources Department

Form C-102

Revised August 15, 2000

**HOBBS OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

NOV 06 2013

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-025-37122		<sup>2</sup> Pool Code 62010	<sup>3</sup> Pool Name Vacuum; Devonian, South
<sup>4</sup> Property Code 22557	<sup>5</sup> Property Name South Vacuum		<sup>6</sup> Well Number 221
<sup>7</sup> OGRID No. 164070	<sup>8</sup> Operator Name Paladin EnergyCorp.		<sup>9</sup> Elevation 3901'

<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
N	22	18-S	35-E		910	South	1650	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
N	22	18-S	35-E		752	South	1680	West	Lea

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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

16			<b>Sec 22, T18S, 35E</b>	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature David Plasiance Printed Name VP Exploration & Production Title 11/1/2013 Date
				<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> <i>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.</i> Date of Survey Signature and Seal of Professional Surveyor: Certificate Number

S. Vacuum 221  
752 FSL, 16780FWL