

DISTRICT I
1625 N. Frnech Dr., Hobbs, NM 88240
DISTRICT II
1301 W. Grand Avenue, Atesia, NM 88210
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

Submit to Appropriate District Office

OIL CONSERVATION DIVISION

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

AMENDED REPORT

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
4 Property Code 22557	5 Property Name South Vacuum	3 API Number 37122 30-025-37122
9 Proposed Pool 1 Vacuum Devonian, South 62010		6 Well No. 274
10 Proposed Pool 2		

7 Surface Location

UL or lot No. P	Section 27	Township 18-S	Range 35-E	Lot. Ind	Feet from the 960	North/South Line South	Feet from the 693	East/West Line East	County Lea
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8 Proposed Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot. Ind	Feet from the	North/South Line	Feet from the	East/West Line	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 3886'
16 Multiple No	17 Proposed depth 11,965'	18 Formation Devonian	19 Contractor	20 Spud Date 8/7/2007
Depth to Groundwater: approx 68'		Distance from nearest fresh water well 1/2 mile plus		Distance from nearest surface water: Playa - 1500 feet
Pit: Liner: Synthetic <input type="checkbox"/> Closed-Loop System <input checked="" type="checkbox"/>	Clay <input type="checkbox"/>	Pit Volume:	Drilling Method: Brine <input type="checkbox"/>	Fresh Water <input type="checkbox"/> Disel/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#	450'	328	Sur
12-1/4	9-5/8	40#	3943'	1298	
8-3/4"	7	26# & 29#	12,550'	810	9,080'
6-1/4"	5	18#	14,230'	268	12,227'

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.

R/U pulling unit, POOH w/ tubing and sub pump. Set retrievable bridge plug at 11,200' with 50' sand on top. Pull Bridge Plug. Set cement retainer at 10,700' and squeezed Wolfcamp perforations from 10,858-78', 10,890-900', 10,920-30'. with 300 sxs cement. GIH with bit assembly and drill out cement to bridge plug, wash sand and clean casing. POOH GBIH with retrieving tool and pull retrievable bridge plug. GIH and clean casing to PBD at 11,965'. POOH R/U e-line, add Devonian perforations from 11,840'-11,900' & 11,760'-11,820'. Acidize perforations with 6,000 gallons 15% acid, swab back. Run submersible pump and bring back on production.

Permit Expires 2 Years from Approval
Date Unless Drilling Underway
Plug back

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: 4/17/2013

Phone: 214-654-0132

OIL CONSERVATION DIVISION

Approved by:

Title: Petroleum Engineer

Approval Date: APR 24 2013 Expiration Date:

Conditions of Approval:
Attached ☐

APR 24 2013

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1625 N. French Dr., Hobbs, NM 88240
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811 South First, Artesia, NM 88210
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State of New Mexico
Energy, Minerals & Natural Resources Department
HOBBS OCD
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 15, 2000

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

APR 23 2013

☐ AMENDED REPORT

RECEIVED
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-37122	² Pool Code 62010	³ Pool Name Vacuum; Devonian, South
⁴ Property Code	⁵ Property Name South Vacuum	⁶ Well Number 274
⁷ OGRID No. 164070	⁸ Operator Name Paladin Energy Corp.	⁹ Elevation 3886'

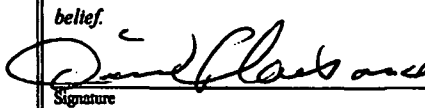
¹⁰ Surface Location

UL or lot no. P	Section 27	Township 18-S	Range 35-E	Lot Idn	Feet from the 960	North/South line South	Feet from the 693	East/West line East	County Lea
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¹¹ 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
¹² Dedicated Acres 80	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

¹⁶			<u>Sec 27, T18S, 35E</u>	¹⁷ OPERATOR CERTIFICATION <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 4/22/2013 Date
			S. Vacuum 274 960 FSL, 693 FEL •	¹⁸ SURVEYOR CERTIFICATION <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