

## 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

**HOBBS OCD** Energy Minerals and Natural Resources

Form C-101

June 16, 2008

## Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Submit to appropriate District Office

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

<sup>1</sup> Operator Name and Address <b>PALADIN ENERGY CORP.</b> <b>10290 Monroe Dr, Ste 301, Dallas, TX 75229</b>		<sup>2</sup> OGRID Number <b>164070</b>
<sup>3</sup> Property Code <b>39309</b>	<sup>4</sup> Property Name <b>LOWE 25 SWD</b>	<sup>5</sup> API Number <b>30 - 025 - 40668</b>
<sup>9</sup> Proposed Pool 1 <b>SWD;WOLFCAMP (96135)</b>		<sup>6</sup> Well No. <b>2</b>
<sup>10</sup> Proposed Pool 2		

<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>M</b>	<b>25</b>	<b>13S</b>	<b>37E</b>		<b>1087</b>	<b>South</b>	<b>216</b>	<b>West</b>	<b>Lea</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

## Additional Well Information

<sup>11</sup> Work Type Code <b>N</b>	<sup>12</sup> Well Type Code <b>S</b>	<sup>13</sup> Cable/Rotary <b>Rotary</b>	<sup>14</sup> Lease Type Code <b>P</b>	<sup>15</sup> Ground Level Elevation <b>3856</b>
<sup>16</sup> Multiple <b>No</b>	<sup>17</sup> Proposed Depth <b>10800</b>	<sup>18</sup> Formation <b>Wolfcamp</b>	<sup>19</sup> Contractor	<sup>20</sup> Spud Date

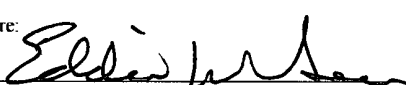
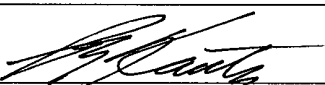
<sup>21</sup> Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
<b>17.5</b>	<b>13.375</b>	<b>48 #</b>	<b>400</b>	<b>400</b>	<b>0</b>
<b>12.25</b>	<b>8.625</b>	<b>32 #</b>	<b>4600</b>	<b>1200</b>	<b>0</b>
<b>7.875</b>	<b>5.5</b>	<b>17 &amp; 20 #</b>	<b>10800</b>	<b>1100 2 stages</b>	<b>7000' &amp; 4400'</b>

<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.

**Drill 17.5" hole to 400' and set 13.375" surface casing, cement to surface. Drill out with 12.25" bit to 400' and set 8.625 intermediate casing, cement to surface. Drill 7.875" hole to 10800' (+/-), set 5.5" casing, cement with two stages to bring tops to approximately 7000' and from 6500' to 4400'. Perforate Lower Wolfcamp formation from approx 9950-10150, 10170-10300, 10420-10480. Perform acid treatment job w/ approx 5000 gal acid & additives. Set packer with plastic lined tubing within 100' of upper most perf. SWD application submitted to Santa Fe. After SWD application is approved notify NMOCD Hobbs office at least 24 hours prior to conducting MIT test. Test well for injection. MIT test will be performed prior to any injection. BOP - 11" Hydraulic Dual Ram (10M), Blind & Pipe**

**Permit Expires 2 Years From Approval Date Unless Drilling Underway**

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		<b>OIL CONSERVATION DIVISION</b>	
Signature: 		Approved by: 	
Printed name: <b>Eddie Seay</b>		Title: <b>PETROLEUM ENGINEER</b>	
Title: <b>Agent</b>		Approval Date: <b>JUL 03 2012</b>	Expiration Date: <b>JUL 03 2014</b>
E-mail Address: <b>seay04@leaco.net</b>			
Date: <b>6/20/2012</b>	Phone: <b>575-390-2454</b>	Conditions of Approval:	

**CONDITION OF APPROVAL - CANNOT dispose down wellbore until Salt Water Disposal order is approved by the OCD Santa Fe office.**

**SWD-1353**

*dm*

District I  
1625 N French Dr., Hobbs, NM 88240  
Phone: (505) 393-6161 Fax (505) 393-0720  
District II  
811 S First St., Artesia, NM 88210  
Phone (505) 748-1283 Fax (505) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone (505) 334-6178 Fax (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone (505) 476-3460 Fax (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

JUN 20 2012

☐ AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

RECEIVED

API Number <b>30025-40668</b>	Pool Code <b>96135</b>	Pool Name <b>SWD; Wolfcamp</b>
Property Code <b>39309</b>	Property Name <b>LOWE "25" SWD</b>	Well Number <b>2</b>
OGRID No. <b>164070</b>	Operator Name <b>PALADIN ENERGY CORP.</b>	Elevation <b>3856.7'</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
<b>M</b>	<b>25</b>	<b>13 SOUTH</b>	<b>37 EAST, N.M.P.M.</b>		<b>1087'</b>	<b>SOUTH</b>	<b>216'</b>	<b>WEST</b>	<b>LEA</b>

**Bottom Hole Location If Different From Surface**

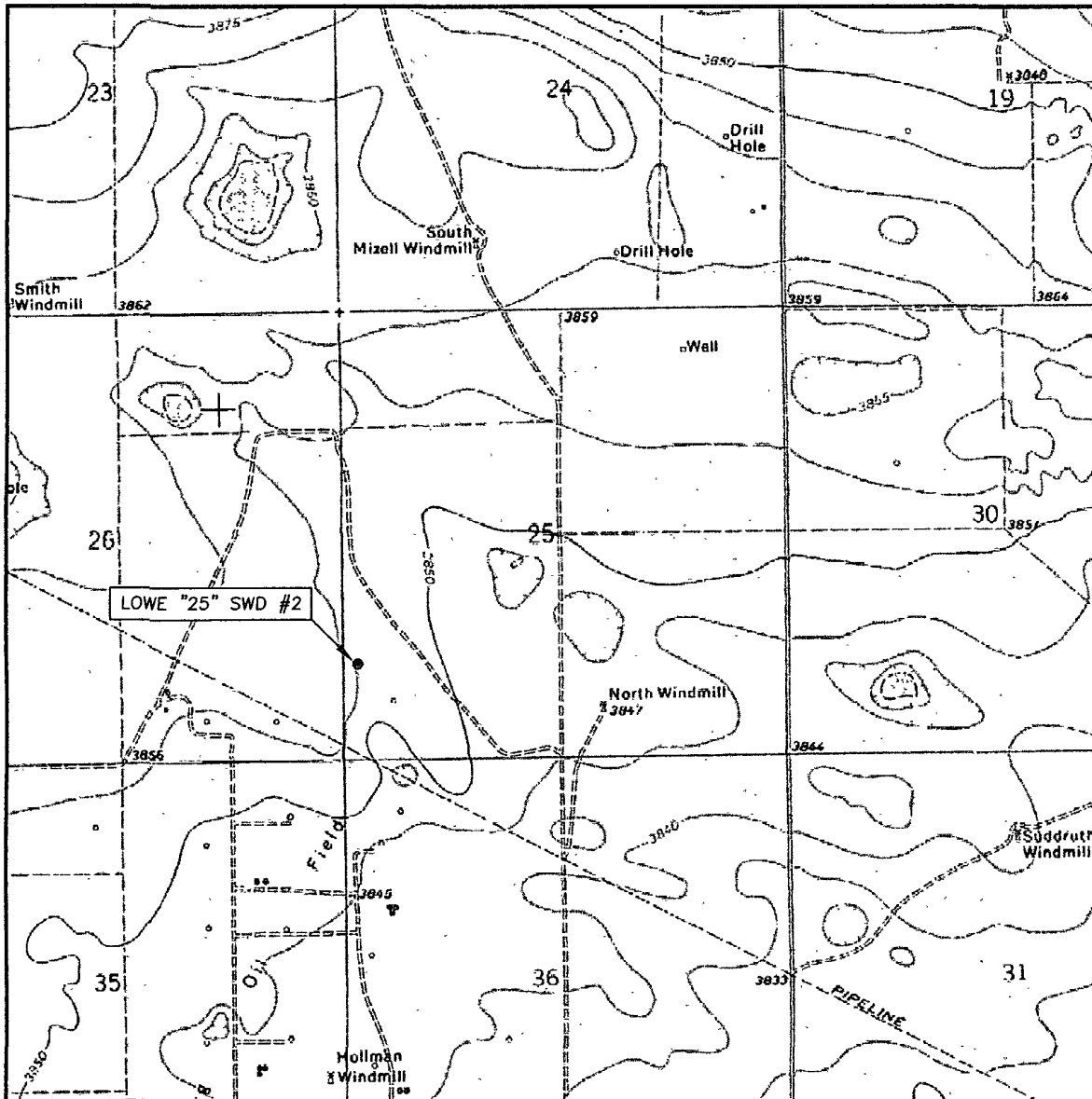
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	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><b>SURFACE LOCATION</b> NEW MEXICO EAST NAD 1927 Y=787094.4 X=858700.2 LAT.: N 33.1582509° LONG W 103.1612769°</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>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.</p> <p>Signature <u>David Plaisance</u> Date <u>5/30/2012</u></p> <p>Printed Name <u>David Plaisance</u></p> <p>E-mail Address <u>dplaisance@paladin.com</u></p>
	<p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of previous surveys made by me or under my supervision and that the same is true and correct to the best of my belief.</p> <p>Date of Survey <u>MAY 16 2012</u></p> <p>Signature and Seal of Professional Surveyor <u>Terry Alford</u></p> <p>Certificate Number <u>15079</u></p> <p>WO# 120516WL (KA)</p>

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

SEC. 25 TWP. 13-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1087' FSL & 216' FWL

ELEVATION 3856.7'

OPERATOR PALADIN ENERGY CORP.

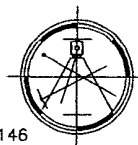
LEASE LOWE "25" SWD #2

U.S.G.S. TOPOGRAPHIC MAP

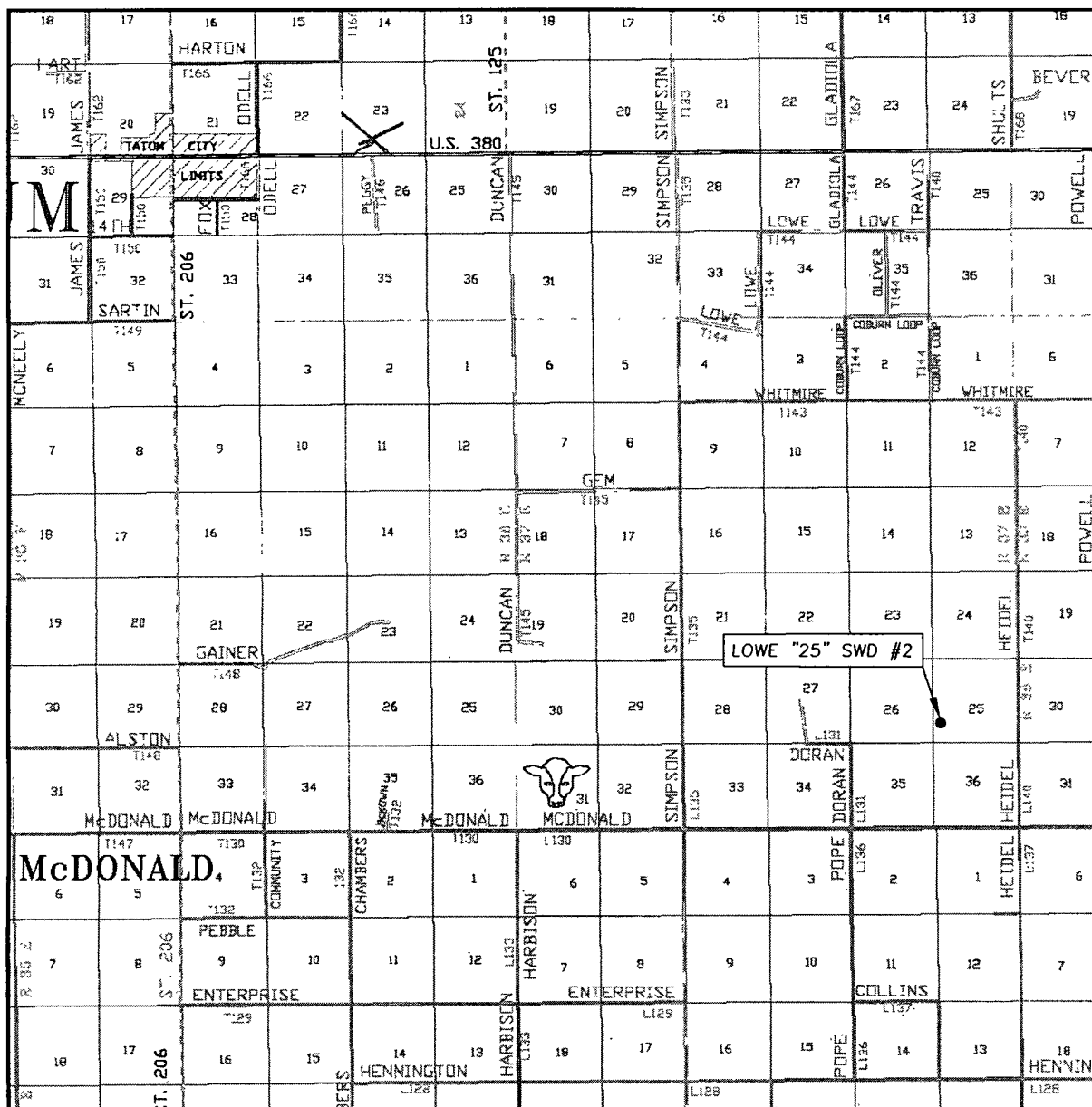
PRAIRIEVIEW NW, N.M.

Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR  
HOBBS, NEW MEXICO - 575-393-9146



# VICINITY MAP

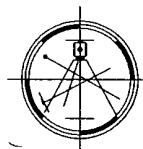


SEC 25 TWP. 13-S RGE. 37-E  
 SURVEY N.M.P.M.  
 COUNTY LEA  
 DESCRIPTION 1087' FSL & 216' FWL  
 ELEVATION 3856.7'  
 OPERATOR PALADIN ENERGY CORP.  
 LEASE LOWE "25" SWD #2

SCALE: 1" = 2 MILES

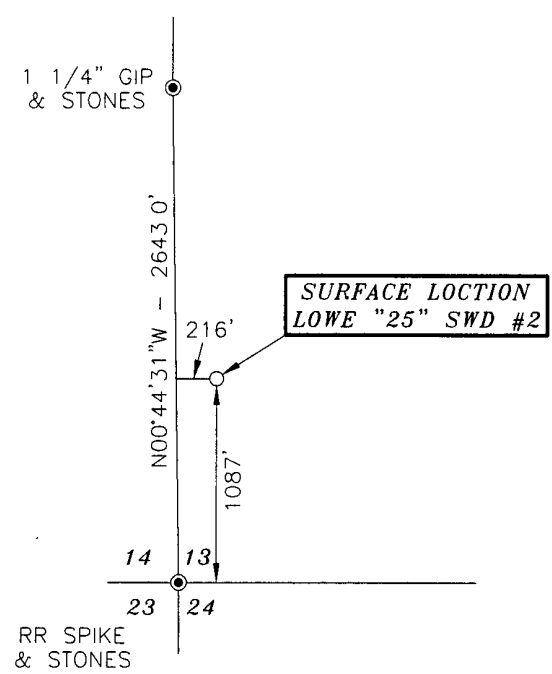
Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR  
 HOBBS, NEW MEXICO - 575-393-9146



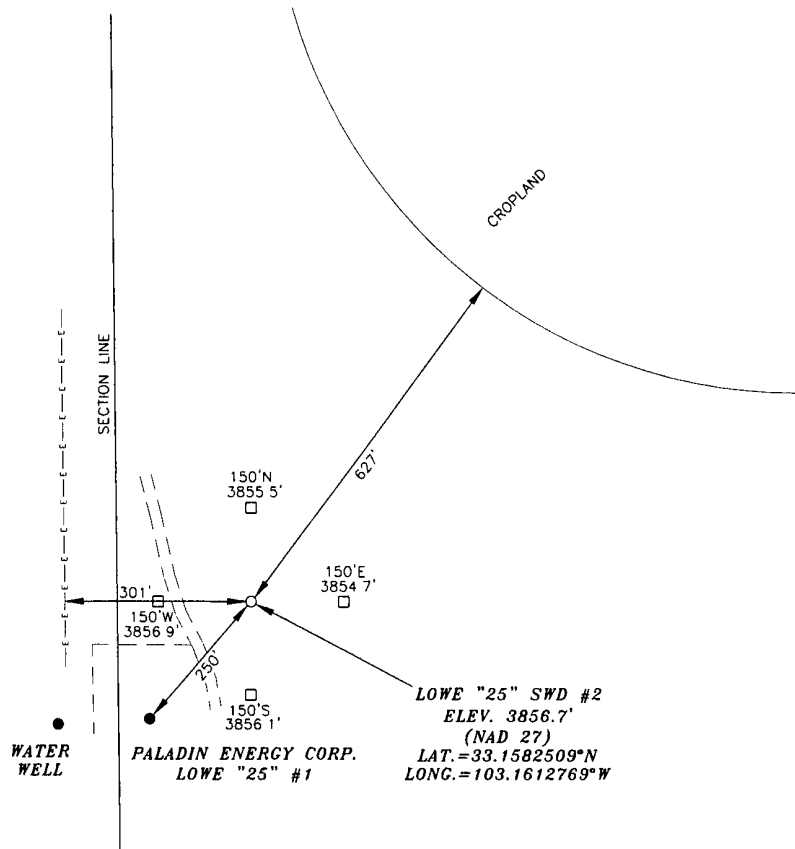
DIRECTIONS BEGINNING IN MCDONALD AT THE INTERSECTION OF ST. HWY. #206 AND COUNTY ROAD #147 (MCDONALD ROAD), GO EAST ON COUNTY ROAD #147 FOR 8.7 MILES, TURN LEFT ON CALICHE ROAD AND GO NORTH FOR 1.2 MILES, CONTINUE NORTHEAST FOR 0.2 MILES, TURN RIGHT AND GO SOUTH FOR 0.1 MILES TO LOCATION.

SECTION 25, TOWNSHIP 13 SOUTH, RANGE 37 EAST, N.M.P.M.,  
LEA COUNTY  
NEW MEXICO



NORTH  
Basis of Bearings - GPS Geodetic Measurements  
NM East Zone (83) North American Datum of 1983

DRIVING DIRECTIONS.  
BEGINNING IN MCDONALD AT THE  
INTERSECTION OF ST. HWY. #206 AND  
COUNTY ROAD #147 (MCDONALD ROAD), GO  
EAST ON COUNTY ROAD #147 FOR 8.7  
MILES, TURN LEFT ON CALICHE ROAD AND  
GO NORTH FOR 1.2 MILES, CONTINUE  
NORTHEAST FOR 0.2 MILES, TURN RIGHT  
AND GO SOUTH FOR 0.1 MILES TO  
LOCATION



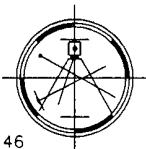
SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS.

*Terry J. Asel* 5/24/2012  
Terry J. Asel N.M. R.P.L.S. No. 15079

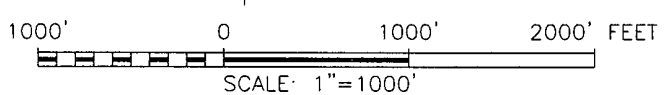
Asel Surveying

P.O. BOX 393 - 310 W TAYLOR  
HOBBS, NEW MEXICO - 575-393-9146



LEGEND

● - DENOTES FOUND MONUMENT AS NOTED



PALADIN ENERGY CORP.

LOWE "25" SWD #2 LOCATED AT  
1087' FSL & 216' FWL IN SECTION 25,  
TOWNSHIP 13 SOUTH, RANGE 37 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO

Survey Date: 05/16/12	Sheet 1 of 1 Sheets
W.O. Number: 120516WL	Drawn By: KA Rev:
Date: 05/21/12	120516WL Scale: 1"=1000'