

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, 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

Form C-101  
Revised March 17, 1999

Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

Submit to appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address Gruy Petroleum Management Co. P. O. Box 140907 Irving TX 75014-0907		<sup>2</sup> GRID Number 162683
		<sup>3</sup> API Number 30 - 025-27498
<sup>3</sup> Property Code 29037	<sup>5</sup> Property Name Pennzoil State	<sup>6</sup> Well No. 4

<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
E	18	16S	37E		1980'	North	660'	West	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
<sup>9</sup> Proposed Pool 1 Lovington; Wolfcamp N.E.					<sup>10</sup> Proposed Pool 2				

<sup>11</sup> Work Type Code P	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary C	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3864'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 10920'	<sup>18</sup> Formation Wolfcamp	<sup>19</sup> Contractor	<sup>20</sup> Spud Date When Approved

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

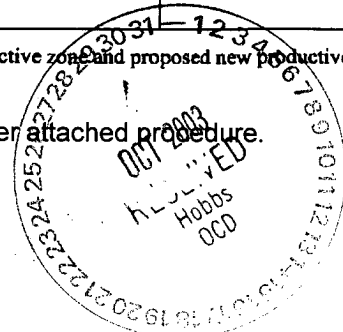
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	54.5 #	401'	475 sx	Surface
11"	8-5/8"	32 #	4300'	600 sx	Surface Calc
7-7/8"	4-1/2"	11.6 #	11473'	1150 sx	TOC 6990'

<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.

Propose to re-enter TA well and perf and test Wolfcamp interval from 9630' - 10710' as per attached procedure.  
The well will be equipped with a 3000 PSI BOP system

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway

*Plug-Back*



<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Zeno Farris</i> Printed name: Zeno Farris Title: Manager Operations Administration Date: 10-24-03 Phone: 972-401-3111		<b>OIL CONSERVATION DIVISION</b> Approved by: <i>[Signature]</i> Title: <b>PETROLEUM ENGINEER</b> Approval Date: <b>NOV-03 2003</b> Expiration Date: Conditions of Approval: Attached <input type="checkbox"/>	
---	--	--	--

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-27498		2 Pool Code 41060		3 Pool Name Lovington; Wolfcamp N.E.	
4 Property Code 29037		5 Property Name Pennzoil State			6 Well Number 4
7 OGRID No. 162683		8 Operator Name Gruy Petroleum Management Co.			9 Elevation 3864'

#### 10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	18	16S	37E		1980'	North	660'	West	Lea

#### 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 40	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

<div style="position: relative; height: 100px;"> <div style="position: absolute; left: 10px; top: 10px;">16</div> <div style="position: absolute; left: 10px; top: 50px; transform: rotate(-90deg);">1980'</div> <div style="position: absolute; left: 10px; top: 80px;">660'</div> </div>					<h4>17 OPERATOR CERTIFICATION</h4> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Zeno Farris</i></p> <p>Signature _____</p> <p>Zeno Farris</p> <p>Printed Name _____</p> <p>Title _____</p> <p>October 24, 2003</p> <p>Date _____</p>	
						<h4>18 SURVEYOR CERTIFICATION</h4> <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>Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor: _____</p> <p>Certificate Number _____</p>

**RECOMMENDED WORKOVER PROCEDURE  
PENNZOIL STATE #4  
NE LOVINGTON PENN FIELD  
LEA COUNTY, NEW MEXICO**

**WELL DATA**

SPUD DATE: 8/22/81  
PERM. ZERO PT.: KB=3864', GL=3851'  
TOTAL DEPTH: 11,475'  
SURFACE CSG: 13-3/8", 54.5# @ 401'  
INTER CSG: 8-5/8", 24 & 32# @ 4300'  
PROD CSG: 4-1/2", 11.6# @ 11,473'  
OPEN PERFS: none  
SHUT-OFF PERFS: Strawn 11336-11374' (possible perfs @ 11389-91, 11393-95 & 11407-13')  
TBG: 2-3/8" @ 10525'  
PKR: None  
OTHER: CIBP @ 10,953' w/ 35' cmt on top

**OBJECTIVE:** Recommending testing Wolfcamp intervals 10670-10710, 9934-9944, 9948-9956, 9962-9970 and 9630-9654'.

**\*\*\*\*\* SAFETY IS TOP PRIORITY \*\*\*\*\***

**PROCEDURE:**

1. MIRU wellservice rig. ND WH. NU BOP's and test.
2. POH w/ 2-3/8" tbg laying down.
3. PU & RIH w/ 4-1/2" pkr on 2-3/8" workstring to PBTD +/- 10920'. Circ hole clean.
4. PU & set pkr +/- 6200'. Test casing 6200-10920'.
5. Rls pkr. PU & set pkr +/- 5600'. Test annulus.
6. Pressure and swab test below packer to evaluate for leaks/fluid entry.

**NOTE:** Csg inspection log showed possible holes from 5714-5990'. If csg leaks, will not attempt to repair until determining if any Wolfcamp interval is commercial.

7. Rls pkr & POH w/ workstring.
8. MIRU e-line. Install lubricator. RIH w/ GR & JB to +/- 10920'. RIH w/ csg gun and GR/CCL tools. Run strip log to get on depth. Perforate the Lower Wolfcamp 10670-10710', 2 spf by Welex Sidewall Neutron Log dated 10/1/81. RD e-line.

9. RIH w/ 10k stimulation pkr on 2-3/8" tbg to 10710'.
10. Spot 1000 gals 15% NEFE HCL 10710-9180'. PU to +/- 10600'. Rev acid into tbg. Set pkr. Load annulus and pressure to 500 psi if possible.
11. BD & Displace acid into Lower Wolfcamp 10670-10710'.
12. RU swab. Swab and test.
13. If additional testing required, POP and test.
14. If Lower Wolfcamp 10670-10710' is uneconomical, Rls pkr, circ hole & POH.
15. MIRU e-line. Install lubricator. RIH w/ GR & JB to +/- 10670'. WL set CIBP +/- 10650'. Dump 35' cmt on plug.
16. RIH w/ csg gun and GR/CCL tools. Run strip log to get on depth. Perforate the Middle Wolfcamp 9934-9944, 9948-9956 and 9962-9970', 2 spf by Welex Sidewall Neutron Log dated 10/1/81. RD e-line.
17. RIH w/ 10k stimulation pkr on 2-3/8" tbg to 9970'.
18. Spot 1000 gals 15% NEFE HCL 9970-8440'. PU to +/- 9880'. Rev acid into tbg. Set pkr. Load annulus and pressure to 500 psi if possible.
19. BD & Displace acid into Middle Wolfcamp 9934-9970'.
20. RU swab. Swab and test.
21. If additional testing required, POP and test.
22. If Middle Wolfcamp 9934-9970' is uneconomical, Rls pkr, circ hole & POH.
23. MIRU e-line. Install lubricator. RIH w/ GR & JB to +/- 9920'. WL set CIBP +/- 9900'. Dump 35' cmt on plug.
24. RIH w/ csg gun and GR/CCL tools. Run strip log to get on depth. Perforate the Upper Wolfcamp 9630-9654', 2 spf by Welex Sidewall Neutron Log dated 10/1/81. RD e-line.
25. RIH w/ 10k stimulation pkr on 2-3/8" tbg to 9654'.
26. Spot 1000 gals 15% NEFE HCL 9654-8125'. PU to +/- 9600'. Rev acid into tbg. Set pkr. Load annulus and pressure to 500 psi if possible.
27. BD & Displace acid into Upper Wolfcamp 9630-9654'.
28. RU swab. Swab and test.

29. If additional testing required, POP and test.
30. If Upper Wolfcamp 9630-9654' is uneconomical, Rls pkr, circ hole and POH laying down.
31. MIRU e-line. Install lubricator. RIH w/ GR & JB to +/- 9620'. WL set CIBP +/- 9600'.  
Dump 35' cmt on plug.
32. RD & RR.