

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

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FEB 04 2009

HOBBSOCD

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-101  
June 16, 2008

Submit to appropriate District Office

☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address Resaca Operating Company 2600 W. I-20, Odessa, TX 79763		<sup>2</sup> OGRID Number 263848 ✓
<sup>3</sup> Property Code 302966 306443		<sup>4</sup> API Number 30-025-11146 ✓
<sup>5</sup> Property Name Cooper Jal Unit		<sup>6</sup> Well No 155 ✓
<sup>9</sup> Proposed Pool 1 Jalmat; Tansill-Yates-7Rivers (Oil) <33820>		<sup>10</sup> Proposed Pool 2 Langlie Mattix; 7Rivers-Queen-Grayburg <37240>

**<sup>7</sup> Surface Location**

UL or lot no D	Section 18	Township 24S	Range 37E	Lot Idn	Feet from the 660'	North/South line North	Feet from the 660'	East/West line West	County Lea ✓
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**<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
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**Additional Well Information**

<sup>11</sup> Work Type Code E ✓	<sup>12</sup> Well Type Code O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code P ✓	<sup>15</sup> Ground Level Elevation 3302'
<sup>16</sup> Multiple	<sup>17</sup> Proposed Depth 3950'	<sup>18</sup> Formation Grayburg	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 12-20-41

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
15"	13"	40	222'	250	Surface
12 1/4"	9 5/8"	36	2822'	500	1137'
8 3/4"	7"	24	3456'	100	282'

<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.

1. Re-enter CJU #155 (This well was plugged 3/2/2000).
2. Drill out 4 cement plugs @ surface-30'; 290'-205'; 1350'-1137'; 3000'-2800'.
3. Drill out 1 CIBP @ 3400' capped with 25 sx cement.
4. Deepen the well with a 6 1/4" Bit to new TD of 3950' in the Grayburg Formation.
5. Complete the well Open Hole.
6. Test the Grayburg Formation for Production.

This well will be drilled using a Closed Loop System. C-144 will be filed accordingly.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief

Signature



Printed name

Melanie Reyes

Title

Engineer Assistant

E-mail Address

Melanie.Reyes@teai.com

Date

2/2/09

Phone

432-580-8500

OIL CONSERVATION DIVISION

Approved by



Title

PETROLEUM ENGINEER

Approval Date

FEB 18 2009

Expiration Date

**Oil Conservation Division**

Conditions of approval: Approval for drilling/workover ONLY--- CANNOT produce Downhole Commingled until DHC is approved in Santa Fe.

Permit Expires 2 Years From Approval Date Unless Drilling Underway  
Permit Expires 2 Years From Approval Date Unless Drilling Underway  
Re-Entry

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State of New Mexico  
Energy, Minerals and Natural Resources Department  
FEB 04 2009  
HOBBS OIL CONSERVATION DIVISION  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease-4 copies  
Fee Lease-3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-11146		2 Pool Code 33820 / 37240		3 Pool Name Jalmat; Langlie Mattix					
4 Property Code 306443		5 Property Name Cooper Jal Unit				6 Well Number 155			
7 OGRID No. 263848		8 Operator Name RESACA OPERATING COMPANY				9 Elevation 3302' GL			
10 Surface Location									
UL or lot no. D	Section 18	Township 24-S	Range 37-E	Lot Idn	Feet from the 660'	North/South line North	Feet from the 660'	East/West line West	County 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.

<p>16</p>	<p>17 OPERATOR CERTIFICATION</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><i>C. Koch</i> 1-30-09</p> <p>Signature Date</p> <p>Carl Koch</p> <p>Printed Name</p>
	<p>18 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 knowledge and belief.</p> <p>Date of Survey</p> <p>Signature &amp; Seal of Professional Surveyor:</p>
	<p>Certificate No.</p>
	<p>0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0</p>

○ = Staked Location • = Producing Well ↗ = Injection Well ◇ = Water Supply Well ⊕ = Plugged & Abandon Well  
⊙ = Found Section Corner, 2 or 3" Iron Pipe & GLO B.C. ○ = Found 1/4 Section Corner, 1" Iron Pipe & GLO B.C.

ADDITIONAL INFORMATION ON THE LOCATION

State Plane Coordinates			
Northing 446571.6 (NAD 27)	Easting 848097.8 (NAD 27)		
Latitude 32.227694N		Longitude -103.208516W	
Zone East	North American Datum 1983/86	Combined Grid Factor	Coordinate File
Drawing File		Field Book	