

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-101  
May 27, 2004

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

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 Energen Resources Corporation 3300 N. A St., Bldg. 4, Ste. 100 Midland, TX 79705		<sup>2</sup> OGRID Number 162928 ✓
		<sup>3</sup> API Number 30- 025-34100
<sup>4</sup> Property Code 21152 27803	<sup>5</sup> Property Name Hodge	<sup>6</sup> Well No. 1 ✓
<sup>9</sup> Proposed Pool 1 Trinity: Wolfcamp		<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
M	27	12-S	38-E		495	South	495	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

**Additional Well Location**

<sup>11</sup> Work Type Code P	<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 3807'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 12,190'	<sup>18</sup> Formation Wolfcamp	<sup>19</sup> Contractor	<sup>20</sup> Spud Date
Depth to ground water 42'		Distance from nearest fresh water well >1000'		Distance from nearest surface water
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume 10M bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**<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"	48.00#	395'	450	Surface
12-1/4"-11"	8-5/8"	32.00#	4509'	1400	Surface
7-7/8"	5-1/2"	17.00#	12,133'	950	8030'

<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.

See attached procedure

Permit Expires 1 Year From Approval  
Data Unless Drilling Underway  
Plugback

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Signature: Carolyn Larson		Approved by: Chris Williams	
Printed name: Carolyn Larson		Title: OC DISTRICT SUPERVISOR/GENERAL MANAGER	
Title: Regulatory Analyst		Approval Date: JUN 04 2007	
E-mail Address: clarson@energen.com		Expiration Date:	
Date: 5-1-07	Phone: (432) 684-3693	Conditions of Approval: Attached <input type="checkbox"/>	

# **ENERGEN RESOURCES CORPORATION**

## **Hodge #1**

495' FSL and 495' FWL

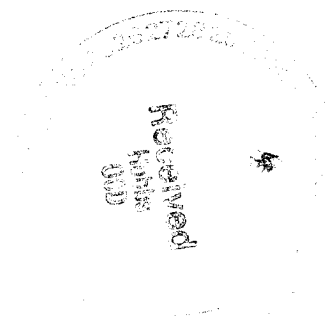
Sec 27, T-12-S, R-38-E

Lea, Co. NM

Trinity Devonian

## **Wolfcamp Recompletion**

1. MIRU Pulling Unit
2. Install rod stripper. POOH w/rod string.
3. Install BOPE.
4. Release tubing anchor and POOH w/tubing string.
5. RU wireline company, RIH & set CIBP @ 12,000'
6. RIH w/packer. Hydrotest tubing to 7000 psi while running in hole.
7. RU pump company and test CIBP to 2000#, PUH and test for / isolate casing leak.
8. RU wireline company. RIH w/4" casing guns loaded w/23 gm charges at 3 SPF and 120° phasing. Perforate Wolfcamp from 9556-74' and 9583-96'. Total shots-93. (Correlated to Weestern Atlas Z-Density/CNL/GR log dated 11-10-1997)
9. RIH w/packer to 9585' and spot 200 gal acid (Service company to test for appropriate additives.)
10. Treat w/ 2800 gal Acid per service company recommendation.
11. Swab well back to determine potential.
12. Repair Casing leak or prepare to plug.
13. Remove BOPE and install wellhead.
14. RD pulling unit



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State of New Mexico  
Energy, Minerals & Natural Resources

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-34100	<sup>2</sup> Pool Code 59890	<sup>3</sup> Pool Name Trinity; Wolfcamp
<sup>4</sup> Property Code 21152 27803	<sup>5</sup> Property Name Hodge	<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 162928	<sup>8</sup> Operator Name Energen Resources Corporation	<sup>9</sup> Elevation 3807'

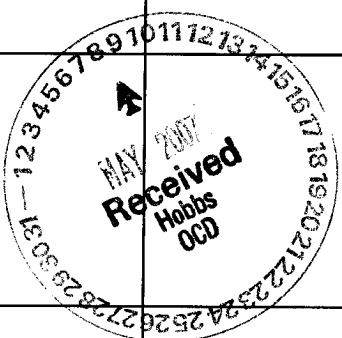
<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	27	12 S	38 E		495	South	495	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
<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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>16</div> <div></div>	<div>17 OPERATOR CERTIFICATION</div> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <div>Signature Carolyn Larson</div> <div>Printed Name Carolyn Larson</div> <div>Title Regulatory Analyst</div> <div>Date 5-3-07</div>			
	<div>18 SURVEYOR CERTIFICATION</div> <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> <div>5/10/2005</div> <div>Date of Survey</div> <div>Signature and Seal of Professional Surveyer:</div>			
	<div>Certificate Number</div>			
	<div>495'</div> <div>495'</div>			