

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  
Energy Minerals and Natural Resources

Form C-101  
Revised June 10, 2003

Oil Conservation Division  
1220 South St. Francis Dr.  
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 HEC PETROLEUM, INC. C/o Mike Pippin, 3104 N. Sullivan Ave. Farmington, NM 87401		<sup>2</sup> OGRID Number 009812
<sup>3</sup> Property Code 13514	<sup>5</sup> Property Name REDFERN	<sup>6</sup> Well No. 3

<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
I	33	30N	12W		1440'	South	910'	East	San Juan

<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  
Basin Fruitland Coal

<sup>10</sup> Proposed Pool 2

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 5730'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 1968'	<sup>18</sup> Formation Pictured Cliffs	<sup>19</sup> Contractor None Yet	<sup>20</sup> Spud Date3/ May 2004

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
8.75"	7"	20#	200'	55	Surface
6.25"	4.5"	11.6#	1968'	240	Surface

<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 8-3/4" hole to 200' using fresh water mud. Run & cement 7" surface casing to surface. WOC 12 hours. Nipple up 7-1/16" 3000# BOPE (annular). Pressure test surface casing & BOPE to minimum of 600 psig for 15 minutes. Drill 6-1/4" hole to TD using polymer and water. Log well. Run 4-1/2" production casing and cement to surface in a single stage. Move out drilling rig. Move in completion equipment. Run cased hole correlation logs. Test production casing to 3800 psig for 15 minutes. Perforate select Fruitland Coal intervals and stimulate with a frac treatment toamed KCL water based fluid and sand. Install production equipment, 2-3/8" tubing, and gas sales meter.

<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>Mike Pippin</i> Printed name: Mike Pippin Title: Agent - Petr. Engr. E-mail Address: mpippin@ddbroadband.com Date: March 19, 2004		OIL CONSERVATION DIVISION Approved by: <i>[Signature]</i> Title: DEPUTY OIL & GAS INSPECTOR, DIST. IV Approval Date: APR - 6 2004 Expiration Date: APR - 6 2005 Conditions of Approval: Attached <input type="checkbox"/>	
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1220 South St. Francis Dr., Santa Fe, NM 87506

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 June 10, 2003

**Submit to Appropriate District Office**

**State Lease - 4 Copies**

Free Lease - 3 Copies

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-32236		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL	
*Property Code 13514	*Property Name REDFERN		*Well Number 3	
*OGRD No. 009812	*Operator Name HEC PETROLEUM, INC.		*Elevation 5730'	

## <sup>10</sup> Surface Location

UL or lot no. 1	Section 33	Township 30-N	Range 12-W	Lot Idn	Feet from the 1440	North/South line SOUTH	Feet from the 910	East/West line EAST	County SAN JUAN
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<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>23</sup> Dedicated Acres 320 E/2			<sup>24</sup> Joint or Infill I		<sup>25</sup> Consolidation Code		<sup>26</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

18		17 OPERATOR CERTIFICATION	
<div>LOT 1</div> <div>LAT. = 36-45-59 N. (NAD 83) LONG. = 108-05-51 W.</div> <div>QTR. CORNER FD. 3 1/4" BLM BC. 1976</div>		<div>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</div> <div><div>Mike Pippin</div><div>Signature</div></div> <div><div>MIKE PIPPIN</div><div>Printed Name</div></div> <div><div>AGENT-PETR. ENGR.</div><div>Title</div></div> <div><div>3/19/04</div><div>Date</div></div>	
		18 SURVEYOR CERTIFICATION	
		<div>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.</div> <div><div>DAVID A. JOHNSON</div><div>Date of Survey</div></div> <div><div>NEW MEXICO</div><div>14827</div><div>REGISTERED PROFESSIONAL SURVEYOR</div><div>Signature and Seal of Professional Surveyor</div></div> <div><div>Certificate Number</div></div>	
		<div>LOT 2</div> <div>LOT 3</div> <div>QTR. CORNER FD. 3 1/4" BLM BC. 1976</div> <div>SEC. CORNER FD. 3/4" REBAR</div> <div>910'</div> <div>1440'</div> <div>N 01-07-04 E 2614.0' (M)</div>	