

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

Form C-101

May 27, 2004

Submit to appropriate District Office

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

HARVEY YATES COMPANY PO BOX 1933 ROSWELL NM 88202-1933		Operator Name and Address		OGRID Number 010179	
Property Code 12972		Property Name RICHARDSON FEE		API Number 30-025-27610	
McDONALD PENN WEST		Proposed Pool 1		Proposed Pool 2	

**Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	05	14 S	36 E		660'	NORTH	1,980'	WEST	LEA COUNTY

**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**

Work Type Code P	Well Type Code G	Cable/Rotary N/A	Lease Type Code FEE	Ground Level Elevation 3,968'
Multiple N/A	Proposed Depth 13,350' (CIBP)	Formation	Contractor	Spud Date ASAP
Depth to Groundwater 46' - 90' (63' avg)		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> N/A mils thick Clay <input type="checkbox"/> Pit Volume: N/A bbls Drilling Method: _____ Closed-Loop System <input type="checkbox"/> **WILL USE STEEL FRAC TANK** Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
All csg is existing	no changes to csg	will be plug-back			

<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.

MIRU, BLOW DOWN WELL. LOAD TBG W/50 BBLs BRINE. RD WELLHEAD, RU BOP.  
 RELEASE LOK-SET PKR @ 13,187' AND POOH.  
 RU BAKER ATLAS RIH W/CIBP & SET @ 13,350' +/-.  
 RIH W/CMT RETAINER & SET AT DEPTH DETERMINED BY OFFICE. RU BJ CEMENTERS AND EST CIRC THRU RETAINER AND CEMENT WITH VOLUME NECESSARY TO BRING CMT ABOVE INTERMEDIATE CSG SHOE.  
 RIH W/BIT, COLLARS & TBG. DRILL OUT CMT RETAINER. TEST CSG TO 1000# FOR 15 MIN. RIH W/GAUGE RING AND JUNK BASKET TO 10,600'. POOH.  
 RIH & PERF 10,484-10,499 W/4 JSPF.  
 RIH W/PKR W/BYPASS TO 10,489' AND PICKLE TBG W/500 GALS 15% HCL. SPOT 500 GALS OF ACID, PU & SET PKR, AND BREAK DOWN PERFS (MAX TREATING PRESSURE OF 5000#).  
 RU SWAB & TEST WELL. NOTE: WE MAY PERF & ACIDIZE POTENTIAL PAY INTERVAL BELOW (10,500'-10,509').  
 RIG DOWN & SET PRODUCTION EQUIPMENT.

<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 NMOC guidelines ☐ a general permit ☐ or an (attached) alternative OCD-approved plan ☒.

Printed name: JEN ATKINSON		OIL CONSERVATION DIVISION	
Title: PROD ANALYST		Approved by:	
E-mail Address: atkinson@heyco.org		Title: PETROLEUM ENGINEER	
Date: 06/23/2005		Approval Date: JUN 24 2005 Expiration Date:	
Phone: (505)623-6601		Conditions of Approval Attached <input type="checkbox"/>	

Permit Expires 1 Year From Approval  
 Date Unless Drilling Underway  
 Plug back

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State of New Mexico  
Energy, Minerals & Natural Resources DepartmentOIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe. NM 87504Form C-102  
Revised August 15, 2000Submit 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 30-015-32555 <i>27610</i>		<sup>2</sup> Pool Code 44970	<sup>3</sup> Pool Name AUSTIN PENN MISSIPPIAN
<sup>4</sup> Property Code 12972	<sup>5</sup> Property Name RICHARDSON <i>Fee</i>		<sup>6</sup> Well Number 001
<sup>7</sup> OGRID No. 10179	<sup>8</sup> Operator Name Harvey E. Yates Co.		<sup>9</sup> Elevation 3968'

<sup>10</sup> Surface Location

UL or lot no. C	Section 5	Township 141S	Range 36E	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County LEA
					660	N	1980	W	EDDY

<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 style="border: 1px solid black; width: 100px; height: 100px; position: relative; margin: 10px auto;"> <div style="position: absolute; top: 0; left: 0; right: 0; bottom: 0; border: 1px dotted black;"></div> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); width: 10px; height: 10px; background-color: black;"></div> </div>	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Jen Atkinson</i> Signature Jen Atkinson Printed Name ENG. TECH Title 6/22/2005 Date	
	<sup>18</sup> SURVEYOR CERTIFICATION 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.	
	Date of Survey Signature and Seal of Professional Surveyor:	
	Certificate Number	