

## 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

June 16, 2008

## Oil Conservation Division

1220 South 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 Yates Petroleum Corporation 105 S Fourth Street Artesia, NM 88210		<sup>2</sup> OGRID Number 025575
		<sup>3</sup> API Number 30 - 01537849
<sup>3</sup> Property Code 38165	<sup>5</sup> Property Name Herradura Unit	<sup>6</sup> Well No 3
<sup>9</sup> Proposed Pool 1 Lower Morrow		<sup>10</sup> Proposed Pool 2

<sup>7</sup> Surface Location

UL or lot no B	Section 4	Township 24S	Range 25E	Lot Idn 2	Feet from the 510'	North/South line North	Feet from the 1930'	East/West line East	County Eddy
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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 N	<sup>12</sup> Well Type Code Oil	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code State	<sup>15</sup> Ground Level Elevation 3734'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth 11,400'	<sup>18</sup> Formation Morrow	<sup>19</sup> Contractor Not Determined	<sup>20</sup> Spud Date ASAP

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17.5"	13.375"	48#	500'	525	Surface
12.5"	9.625"	36#	2700'	920	Surface
8.75	7"	26#	11400'	1360	2200'

<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

<sup>23</sup>

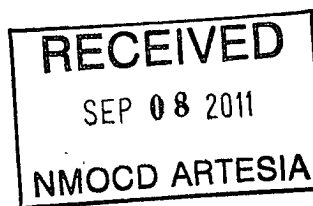
Yates Petroleum Corporation proposes to drill and test the Morrow and intermediate formations Approximately 500' of surface casing will be set and cemented Intermediate casing will be set at 2700', cement circulated to surface If commercial, production casing will be run and cemented, well perforated and stimulate as needed for production

MUD PROGRAM 0-500' Fresh Water, 500'-2700' Fresh Water, 2700'-8800' Cut Brine, 8800'-11400' Cut Brine

BOPE PROGRAM 3M system nipples up in the 13 3/8" 5M system nipples up on 9 5/8" casing

No H2S is anticipated

C-102 attached



<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  
Monti Sanders

Title  
Land Regulatory Technician

E-mail Address  
montis@yatespetroleum.com

Date  
9/7/11

Phone  
575-748-4244

## OIL CONSERVATION DIVISION

Approved by

Title  
Dist # Supervisor

Approval Date

09/16/2011

Expiration Date

Still Applies 5/27/2012

Conditions of Approval Attached ☐

### Herradura Unit #3

It is possible that 7" casing will need to be set at approx. 8400'. If 7" is set, hole will be reduced to 6 1/8" and drilled to 11,400' where 4 1/2" casing will be set and cemented.

### Contingency Casing

#### 2nd Intermediate

0 ft to 8,000 ft		Make up Torque ft-lbs		Total ft =	8,000
O.D.	Weight	Grade	Threads opt. min. mx.		
7 inches	26 #/ft	J-55	LT&C	3670	4590
Collapse Resistance	Internal Yield	Joint Strength	Body Yield	Drift	
4320 psi	4980 psi	367,000 #	415,000 #	6,151	

8,000 ft to 8,400 ft		Make up Torque ft-lbs		Total ft =	400
O.D.	Weight	Grade	Threads opt. min. mx.		
7 inches	26 #/ft	L-80	LT&C	5110	6390
Collapse Resistance	Internal Yield	Joint Strength	Body Yield	Drift	
5410 psi	7240 psi	511,000 #	604,000 #	6,151	

Cemented with 1400sx TOC = 0

#### Production

0 ft to 11,400 ft		Make up Torque ft-lbs		Total ft =	11,400
O.D.	Weight	Grade	Threads opt. min. mx.		
4.5 inches	11.6 #/ft	HCP-110	LT&C	3020	3780
Collapse Resistance	Internal Yield	Joint Strength	Body Yield	Drift	
8650 psi	10690 psi	279,000 #	367,000 #	3,875	

Cemented with 460sx up to dv tool placed at 8000'. Casing will be cut and pulled at 8000' after completion operations. Only stage one will be cemented. No cement above dv tool. TOC = 8000'.