

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  
May 27, 2004

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 PURVIS OPERATING CO. PO BOX 51990, MIDLAND, TX 79710-1990		<sup>2</sup> OGRID Number 131559 ✓
		<sup>3</sup> API Number 30 - 025-38037
<sup>4</sup> Property Code 35883	<sup>5</sup> Property Name 36243 COYOTE STATE COM	<sup>6</sup> Well No. 1
<sup>9</sup> Proposed Pool 1 MORTON MISSISSIPPIAN (Gas)		<sup>10</sup> Proposed Pool 2 WILDCAT MORROW (GAS)

**7 Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	8	15S	35E		990	N	1316	W	LEA

**8 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**

<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 S	<sup>15</sup> Ground Level Elevation 4029'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 13,500' MD	<sup>18</sup> Formation L. Mississippian / Morrow / Atoka	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 1-1-2007
Depth to Groundwater 60		Distance from nearest fresh water well 4 miles		Distance from nearest surface water Miles and miles
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12_mils thick Clay <input type="checkbox"/> Pit Volume: 2000_bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**21 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#	400'	400 sks	Surface
12 1/4"	9 5/8"	36# - 40#	6200'	1400 sks	700'
8 3/4"	5 1/2"	17# - 20#	13,500'	800 sks	9500'

<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 400' and case off all fresh water zones. Set intermediate to 6200' and cement off any water flows and corrosive zones. Drill to a total depth of 13,500' and DST prospective zones. Run open hole logs. Run production casing 14156 17 18 19 20 21 22 23 24 25 26 27 28 29 30  
justified and cement 600' above uppermost pay. Perforate and stimulate where justified.

A 5000 psi BOP will be installed on 9 5/8" casing and pressure tested before drilling deeper.

**Conditions of Approval -- Approval for  
Drilling only Cannot produce until Non-  
Standard location is approved by the  
OCD Santa Fe office.**

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

Printed name: Donnie E. Brown

Title: Petroleum Engineer

E-mail Address: eng@purvisop.com

Date: December 29, 2006

Phone: 432-682-7346

OIL CONSERVATION DIVISION

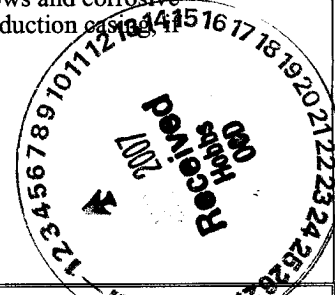
Approved by:

Title:

Approval Date:

Expiration Date:

**Conditions of Approval -- Approval for  
Drilling only Cannot produce until Non-  
Standard location is approved by the  
OCD Santa Fe office.**



## DISTRICT I

1625 N. FRENCH DR., HOBBS, NM 88240

## State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

## DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 86210

## OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.

Santa Fe, New Mexico 87505

## DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

## DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

## WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-38037	Pool Code	Pool Name MORTON MISSISSIPPIAN (GAS)
Property Code 35883	Property Name COYOTE STATE COM.	Well Number 1
OGRID No. 131559	Operator Name PURVIS OPERATING COMPANY	Elevation 4031'

## Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	8	15-S	35-E		990	NORTH	1316	WEST	LEA

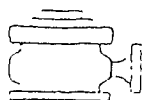
## Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

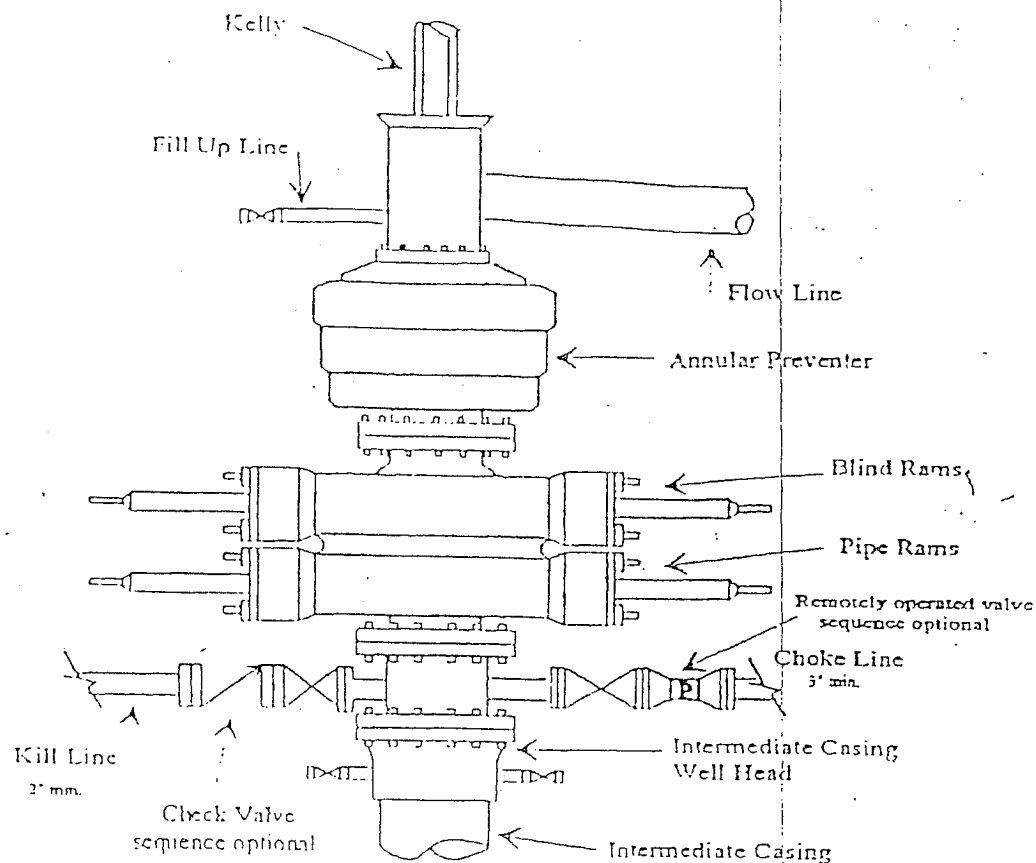
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>1327.0' 1327.0' 1321.6' 1321.6'</p> <p>990'</p> <p>1316'</p> <p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=741877.0 N X=775732.4 E</p> <p>LAT.=33.036238° N LONG.=103.433609° W</p> <p>1321.4' 1321.4' 1321.4' 1321.4'</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Dennie E Brown</i> 12-28-06 Signature Date</p> <p>Dennie E Brown Printed Name</p> <p><b>SURVEYOR CERTIFICATION</b></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 belief.</p> <p>NOVEMBER 2, 2006</p> <p>Date Surveyed LA REV: 12/21/06</p> <p>Signature &amp; Seal of Professional Surveyor</p> <p><i>Gary E. Eidson</i> 12/21/06 06.11.2006</p> <p>Certificate No. GARY EIDSON 12641</p>
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# Typical 5,000 psi Pressure System Schematic Annular with Double Ram Preventer Stack



## Typical 5,000 psi choke manifold assembly with at least these minimum features

