

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

Oil Conservation Division
1220 South St. Francis Dr. APR 10 2008
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

¹ Operator Name and Address PURVIS OPERATING CO. PO BOX 51990, MIDLAND, TX 79710-1990		² OGRID Number 131559
³ Property Code 35880	⁴ Property Name ANTELOPE	⁵ API Number 30 - 025 - 38867
⁹ Proposed Pool 1 Morton Mississippian (Gas)		¹⁰ Proposed Pool 2

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
A	7	15S	35E		1077	N	893	E	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

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 4037'
¹⁶ Multiple No	¹⁷ Proposed Depth 13,500' MD	¹⁸ Formation L. Mississippian	¹⁹ Contractor	²⁰ Spud Date 6-1-2008
Depth to Groundwater 80' 60'		Distance from nearest fresh water well 930 ft.		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'

²² 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, if 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.

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway**

**Permit Expires 2 Years From Approval
Date Unless Drilling Underway**

²³ 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	
Printed name: Donnie E. Brown		Approved by: <i>Chris Williams</i>	
Title: Petroleum Engineer		Title: OC DISTRICT SUPERVISOR/GENERAL MANAGER	
E-mail Address: eng@purvisop.com		Approval Date: APR 29 2008	
Date: April 8, 2008		Expiration Date:	
Phone: 432-682-7346		Conditions of Approval Attached <input type="checkbox"/>	

DISTRICT I
1825 N FRENCH DR HOBBS, NM 88340

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II
1401 W GRAND AVENUE, ALBUQUERQUE, NM 87210

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Revised October 12, 2005
Submit to Appropriate District Office
State Leave - 4 Copies
Fee Lease 3 Copies

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

mailed
4-9-08

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

(J) AMENDED REPORT

API Number	Pool Code 96593	Pool Name Morton Miss
Property Code 35880	Property Name ANTELOPE	Well Number 1
UGRID No 131559	Operator Name PURVIS OPERATING COMPANY	Elevation 4037'

Surface Location

U/L or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	7	15-S	35-E		1077	NORTH	893	EAST	LFA

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.						

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

LOT 1									
40.34 AC									
LOT 2									
40.40 AC									
LOT 3									
40.44 AC									
LOT 4									
40.50 AC									

1077'

893'

GEODETIC COORDINATES
NAD 27 NME
Y=741759.7 N
X=773527.8 E
LAT. = 33.035967° N
LONG = 105.110805° W

OPERATOR CERTIFICATION

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.

Donnie E. Brown
Signature Date 4-28-08

Donnie E. Brown
Printed Name

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.

MARCH 28, 2008
Date Surveyed AR

Signature & Seal of Professional Surveyor

Ronald J. Eidson
08.11.0361

Certificate No. **GARY EIDSON 12641**
RONALD J. EIDSON 3239

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
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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	Pool Code 96593	Pool Name Morton Miss
Property Code 3588D	Property Name ANTELOPE	Well Number 1
OGRID No. 131559	Operator Name PURVIS OPERATING COMPANY	Elevation 4037'

Surface Location

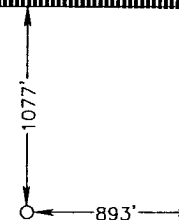
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	7	15-S	35-E		1077	NORTH	893	EAST	LEA

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
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Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

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

LOT 1 40.34 AC LOT 2 40.40 AC LOT 3 40.44 AC LOT 4 40.50 AC	<div style="text-align: center;">  <p>GEODETIC COORDINATES NAD 27 NME</p> <p>Y=741759.7 N X=773527.8 E</p> <p>LAT.=33.035967° N LONG.=103.440805° W</p> <p style="font-size: 2em; font-weight: bold; text-align: center;">RECEIVED</p> <p style="font-size: 1.5em; text-align: center;">APR 10 2008</p> <p style="font-size: 3em; font-weight: bold; text-align: center;">HOBBS OCD</p> </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p style="text-align: center; font-weight: bold;">OPERATOR CERTIFICATION</p> <p><i>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.</i></p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> </div> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; font-weight: bold;">SURVEYOR CERTIFICATION</p> <p><i>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.</i></p> <div style="text-align: right; margin-top: 10px;"> <p>DATE SURVEYED: MAR 28 2008</p> <p>DATE SURVEYED: _____</p> <p>SIGNATURE & SEAL OF _____</p> <p>PROFESSIONAL SURVEYOR</p> </div> <div style="text-align: center; margin-top: 10px;"> <p>3239</p> <p>08.11.0361</p> </div> <p>Certificate No. GARY EIDSON 12641 RONALD J. EIDSON 3239</p> </div>
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