

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

¹ Operator Name and Address PURVIS OPERATING CO. PO BOX 51990, MIDLAND, TX 79710-1990		² OGRID Number 131559
		³ API Number 30 - 025 - 38035
⁴ Property Code 35881	⁵ Property Name ARMADILLO STATE	⁶ Well No. 1
⁹ Proposed Pool 1 Morton WILDCAT MISSISSIPPIAN (Gas)		¹⁰ Proposed Pool 2

7 Surface Location

UL or lot no. L	Section 8	Township 15S	Range 35E	Lot Idn	Feet from the 1980	North/South line S	Feet from the 660	East/West line W	County LEA
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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
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Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4032'
¹⁶ Multiple No	¹⁷ Proposed Depth 13,500' MD	¹⁸ Formation L. Mississippian	¹⁹ Contractor	²⁰ Spud Date 1-1-2007
Depth to Groundwater 80'		Distance from nearest fresh water well 1/2 mile		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: <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				
Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input checked="" 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	21220'
8 3/4"	5 1/2"	17# - 20#	13,500'	1400 sks	9580'

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 1 Year 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 NMOC 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: 	
Title: Petroleum Engineer		Title: PETROLEUM ENGINEER	
E-mail Address: eng@purvisop.com		Approval Date: AUG 01 2006 Expiration Date:	
Date: July 24, 2006	Phone: 432-682-7346	Conditions of Approval Attached <input type="checkbox"/>	

DISTRICT I
1626 N. FRENCH DR., HOBBS, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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

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

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

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-38035	Pool Code 9683	Pool Name Morton Wildcat, Mississippian
Property Code 35881	Property Name ARMADILLO STATE	Well Number 1
OGRID No. 131559	Operator Name PURVIS OPERATING COMPANY	Elevation 4032'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	8	15-S	35-E		1980	SOUTH	660	WEST	LEA

Bottom Hole Location If Different From Surface

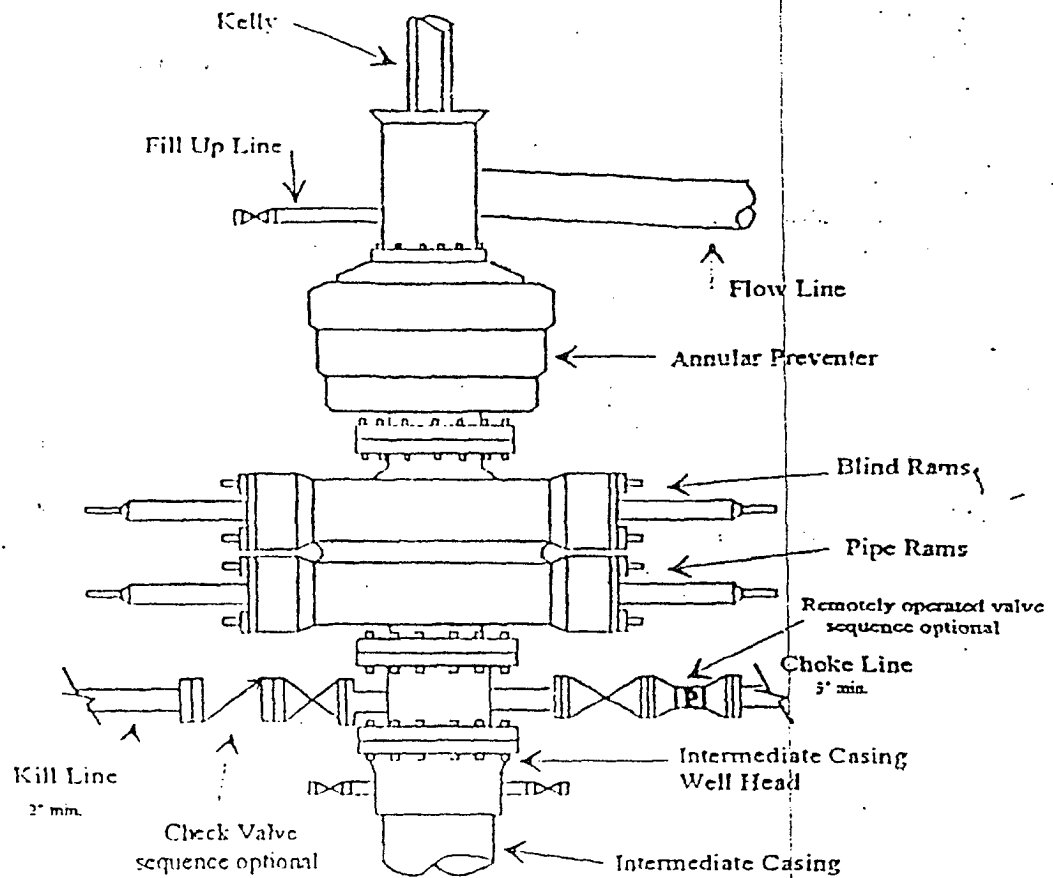
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						

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>OPERATOR CERTIFICATION</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>Donnie E. Brown</i> 12/24/06 Signature Date</p> <p>Donnie E. Brown Printed Name</p>
	<p>SURVEYOR CERTIFICATION</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>JULY 17, 2006</p> <p>Date Surveyed MR</p> <p>Signature & Seal of Professional Surveyor <i>Ronald E. Eubank</i> 7/21/06 06.11.1158</p> <p>Certificate No. GARY EIDSON 12641</p>



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

