

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

RECEIVED

Form C-101
May 27, 2004

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

AUG 17 2004 appropriate District Office
OCD-ARTESIA AMENDED REPORT
XX

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Purvis Operating Co., P.O. Box 11006 Midland, TX 79701		² OGRID Number 131559
		³ API Number 30 - 015 - 32555
³ Property Code 32697	⁵ Property Name Esperanza 22 State Com	⁶ Well No. 2
⁹ Proposed Pool 1 Burton Flat Morrow		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no. L	Section 22	Township 21S	Range 27E	Lot Idn	Feet from the 1980	North/South line South	Feet from the 660	East/West line West	County Eddy
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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 3248'
¹⁶ Multiple No	¹⁷ Proposed Depth 11,900	¹⁸ Formation Morrow	¹⁹ Contractor Not Known	²⁰ Spud Date 9-15-2004
Depth to Groundwater 100'		Distance from nearest fresh water well 1 mile		Distance from nearest surface water 3 1/4 miles
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume: 4500 bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input 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	500	400 sks	Circ1
12 1/2"	9 5/8"	32	2650	950 sks	Circ1
8 3/4"	5 1/2"	17	11,900	600 sks	9000*
					* 200' Above Wolfcamp

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 17 1/2" hole to 500' with fresh water. Set 13 3/8" casing and circulate cement to surface. Drill 12 1/2" hole to 2650' with fresh water. Set 9 5/8" casing and circulate cement to surface. Test BOPs to 2500 psi before drilling out. Test casing shoe to 12# equil mud. Drill 7 7/8" hole to TD of 11,900' with 9.2# to 11.6# mud. Run open hole logs. If commercial, run 5 1/2" casing and cement 200' above Wolfcamp. Rotating head, PVT, flow monitors and mud gas separator will be used from Wolfcamp to TD. See attached BOP schematic.

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 ☒ 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: August 9, 2004

Phone: 432 682-7346

OIL CONSERVATION DIVISION

Approved by:

TIM W. GUM

DISTRICT II SUPERVISOR

Title:

Approval Date: AUG 17 2004

Expiration Date: AUG 17 2005

Conditions of Approval Attached

NOTIFY OCD OF SPUD & TIME TO WITNESS CEMENTING OF SURFACE & INTERMEDIATE CASING

District I
1825 N. French Dr. Hobbs, NM 88240

District II
811 South First, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec NM 87410

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, N M 87505

Form C-102

Revised March 17, 1999

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	73280	Burton Flat Morrow
Property Code	Property Name	Well Number
3269 7	ESPERANZA 22 STATE COM	2
OGRID No.	Operation Name	Elevation
131559	PURVIS OPERATING COMPANY	3248

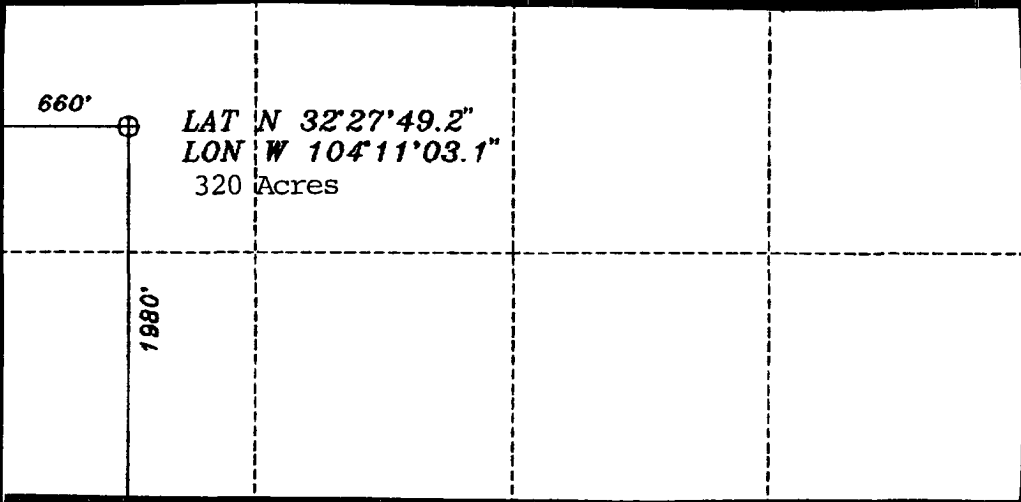
Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
L	22	21-S	27-E		1980	SOUTH	660	WEST	EDDY

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	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTEREST HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION I HEREBY CERTIFY THAT THE INFORMATION HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
	RECEIVED AUG 11 2004 OCD-ARTESIA
	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 KNOWLEDGE AND BELIEF.
	JULY 21, 2004 Date of Survey
	Signature and Seal of Professional Surveyor 