

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies District I 1625 N. French Dr., Hobbs, NM 88240 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	<b>State of New Mexico</b> <b>Energy, Minerals and Natural Resources</b>  <b>Oil Conservation Division</b> <b>1220 South St. Francis Dr.</b> <b>Santa Fe, NM 87505</b>	<b>Form C-105</b> Revised June 10, 2003  WELL API NO. 30-015-33555 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> State Oil & Gas Lease No.								
<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>										
1a. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____  b. Type of Completion: NEW <input checked="" type="checkbox"/> WORK <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG <input type="checkbox"/> DIFF. WELL OVER BACK RESVR. <input type="checkbox"/> OTHER _____		7. Lease Name or Unit Agreement Name  <div style="font-size: 1.2em; text-align: center;"> <b>ESPERANZA 22 RECEIVED</b>  <b>ST COM #2 NOV 09 2004</b> </div>								
2. Name of Operator <div style="text-align: center;">PURVIS OPERATING CO.</div>		8. Well No <div style="text-align: center;">2 <b>OGG-ARTESIA</b></div>								
3. Address of Operator <div style="text-align: center;">P O BOX 11006, MIDLAND, TX 79702-8006</div>		9. Pool name or Wildcat LONETREE DRAW (WOLFCAMP)								
4. Well Location Unit Letter <u>L</u> : <u>1980</u> Feet From The <u>SOUTH</u> Line and <u>660</u> Feet From The <u>WEST</u> Line  Section <u>22</u> Township <u>21-S</u> Range <u>27-E</u> NMPM <u>EDDY</u> County										
10. Date Spudded 9-26-2004	11. Date T.D. Reached 10-16-2004	12. Date Compl. (Ready to Prod.) 11-5-2004								
13. Elevations (DF& RKB, RT, GR, etc.) 3267' kB		14. Elev. Casinghead 3248								
15. Total Depth 9365	16. Plug Back T.D. 9289	17. If Multiple Compl. How Many Zones? N/A								
18. Intervals Drilled By Rotary Tools <input checked="" type="checkbox"/> Cable Tools		19. Producing Interval(s), of this completion - Top, Bottom, Name WOLFCAMP from 9070 to 9122'								
20. Was Directional Survey Made NO		21. Type Electric and Other Logs Run Accelerated Porosity/HNGS								
22. Was Well Cored NO										
<b>23. CASING RECORD (Report all strings set in well)</b>										
CASING SIZE	WEIGHT LB./FT.	DEPTH SET								
13 3/8"	48	503'								
9 5/8"	36	2696'								
7"	26	9350'								
<b>24. LINER RECORD</b>										
SIZE	TOP	BOTTOM								
SACKS CEMENT	SCREEN									
<b>25. TUBING RECORD</b>										
SIZE	DEPTH SET	PACKER SET								
26. Perforation record (interval, size, and number) 9090-9110' - 2 spf - 40 holes w/0.32" dia hole										
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">DEPTH INTERVAL</th> <th style="text-align: left;">AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td style="text-align: center;">9090-9110</td> <td style="text-align: center;">600 gal 15% NE/FE acid</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>			DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	9090-9110	600 gal 15% NE/FE acid				
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9090-9110	600 gal 15% NE/FE acid									
<b>28. PRODUCTION</b>										
Date First Production 11-4-2004	Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING	Well Status (Prod. or Shut-in) SI								
Date of Test 11-4-2004	Hours Tested 4 hrs.	Choke Size 10/64								
Prod'n For Test Period	Oil - Bbl 33	Gas - MCF 22.1								
Water - Bbl. ---	Gas - Oil Ratio 670									
Flow Tubing Press. 1750	Casing Pressure Zero - Pkr.	Calculated 24-Hour Rate 198								
Oil - Bbl. 198	Gas - MCF 132.7	Water - Bbl. ---								
Oil Gravity - API - (Corr.) 48										
29. Disposition of Gas (Sold, used for fuel, vented, etc.) VENTED		Test Witnessed By								
30. List Attachments Accelerated Porosity/HNGS, Mud Log										
31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief										
Signature <u>Donnie E. Brown</u> Printed Name <u>Donnie E. Brown</u> Title <u>Petroleum Engineer</u> Date <u>11-8-2004</u> E-mail Address <u>eng@purvisop.com</u>										

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo	T.	T. Wingate	T.
T. Wolfcamp 9004	T.	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

## OIL OR GAS SANDS OR ZONES

No. 1, from.....5030.....to 5065  
 No. 2, from.....9070..... to 9104

No. 3, from.....to.....  
 No. 4, from.....to.....

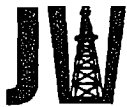
## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....  
 No. 2, from.....to.....feet.....  
 No. 3, from.....to.....feet.....

## LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
0	503	503	Surface rock and sand				
503	2696	2193	Reef				
2696	3600	904	Anhy and Ls				
3600	5200	1600	Sand and Shale				
5200	6520	1320	Ls and Shale				
6520	6700	180	Sd and Shale				
6700	7250	550	Ls and Shale				
7250	7500	250	Ls - Sand - Shale				
7500	9365	1865	Ls - Sand - Shale				



# DRILLING INC. Oil Well Drilling Contractor

Post Office Box 160 • Artesia, NM 88211-0160 • Office (505) 748-8704 • Fax (505) 748-8719

October 18, 2004

Purvis Operating Company  
500 W Texas Suite 960  
Midland, Tx 79702

Re: Esperanza 22 #2  
Section 22, T-21-S, R-27-E  
Eddy County, New Mexico

The following is a Deviation Survey on the above referenced well in Eddy County, New Mexico:

156' - 1/4°	1695' - 2 1/4°	3514' - 3/4°	7048' - 1°
481' - 1/2°	1787' - 2°	3984' - 1/4°	7141' - 1 1/4°
714' - 3/4°	1879' - 2°	4486' - 3/4°	7266' - 1 1/4°
960' - 3/4°	2094' - 1 1/2°	4985' - 1°	7511' - 1°
1296' - 2 3/4°	2401' - 1 1/2°	5486' - 1°	7882' - 1 1/2°
1389' - 3 1/2°	2649' - 1 1/2°	5985' - 3/4°	8163' - 1 1/4°
1480' - 3 3/4°	2766' - 1°	6484' - 1/2°	8413' - 3/4°
1573' - 2 1/2°	3014' - 1°	6930' - 2°	8663' - 1/2°
			8882' - 3/4°
			9318' - 1 1/4°

Sincerely,

Jerry W. Wilbanks  
President

STATE OF NEW MEXICO)  
COUNTY OF CHAVES )

The foregoing was acknowledged before me this 18<sup>th</sup> day of October, 2004 by Jerry W. Wilbanks.

MY COMMISSION EXPIRES

June 19<sup>th</sup>, 2007

\_\_\_\_\_  
NOTARY PUBLIC

**PURVIS OPERATING CO.  
ESPERANZA 22 STATE COM #2  
UNIT L, SECTION 22, T-21S, R-27E  
EDDY COUNTY, NEW MEXICO**

**FORMATION TOPS**

YATES	500'
SEVEN RIVERS	750'
QUEEN	1200'
DELAWARE	2951'
BRUSHY CANYON	4980'
BONE SPRING CARBONATE	5220'
1 <sup>ST</sup> BONE SPRING SAND	6526'
2 <sup>ND</sup> BONE SPRING SAND	7250'
3 <sup>RD</sup> BONE SPRING SAND	8520'
WOLFCAMP LS	9029'

**RECEIVED**  
**NOV 15 2004**  
**ODD-ARTERIA**

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 30-015-33555	Pool Code 97208	Pool Name Lonetree Draw (Wolfcamp)
Property Code 32697	Property Name ESPERANZA 22 STATE COM	Well Number 2
OGRID No. 131559	Operation Name PURVIS OPERATING COMPANY	Elevation 3248

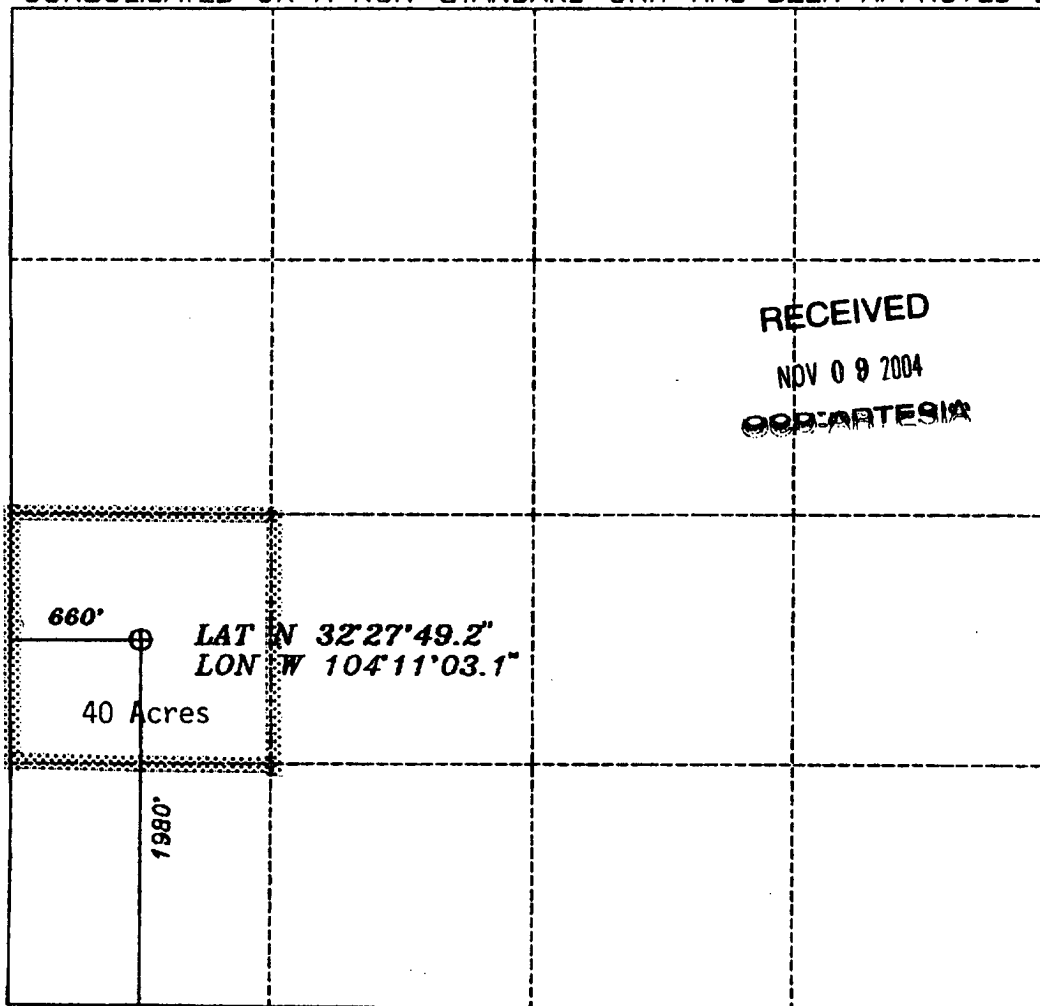
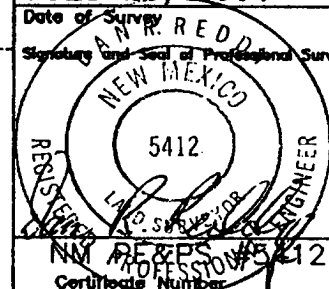
Surface Location

UL or Lot No. L	Section 22	Township 21-S	Range 27-E	Lot km. 1980	Feet from the North/South line SOUTH	Feet from the East/West line 660	East/West line WEST	County EDDY
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Bottom Hole Location If Different From Surface

UL or Lot No.	Section	Township	Range	Lot km.	Feet from the North/South line	Feet from the East/West line	County
Dedicated Acres 40	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

				<b>OPERATOR CERTIFICATION</b> I HEREBY CERTIFY THAT THE INFORMATION HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.	
				Signature <i>Donnie E Brown</i>	
				Printed Name Donnie E Brown	
				Title Petroleum Engineer	
				Date November 8, 2004	
				<b>SURVEYOR CERTIFICATION</b> 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	
					
				Certificate Number	