District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

1000 Rio Brazos Road, Aztec, NM 87410

District III

District IV

State of New Mexico **Energy Minerals and Natural Resources**



Form C-101 May 27, 2004

Oil Conservation Division 1220 South St. Francis Dr.

П	AMENDED	REPORT

Submit to appropriate District Office

Santa Fe, NM 87505 1220 S. St. Francis Dr., Santa Fe, NM 87505 APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE OGRID Number Operator Name and Address Tandem Energy Corporation P.O. Box 1559 Midland, Texas 79702-1559 NOV 15 2007 236183 API Number **OCD-ARTESIA** 30 - 015 -Well No Property Code Property Name 265 307006 **Ballard Grayburg San Andres Unit** 9 Proposed Pool 1 10 Propos ed Pool 2 Loco Hills Queen-Grayburg-San Andres ("Metex & Premier") (39520) ⁷ Surface Location Feet from the North/South line East/West line UL or lot no Section Township Range Lot Idn Feet from the County 29-E 511 397 West Eddy South M 4 18-S ⁸ Proposed Bottom Hole Location If Different From Surface Feet from the North/South line UL or lot no Section Township Range Lot Idn Feet from the East/West line County Additional Well Information 12 Well Type Code 13 Cable/Rotary 15 Ground Level Elevation 11 Work Type Code 14 Lease Type Code P 3535' N 0 18 Formation Spud Date 7 Proposed Depth Multiple 19 Contractor 3400 Mixon Drilling, Inc. No San Andres **ASAP** Distance from nearest fresh water well Distance from nearest surface water Depth to Groundwater 1/2 mile 3 miles 100 Liner: Synthetic X 12 mils thick Clay Pit Volume: 300 bbls Drilling Method: Pit: Fresh Water Brine Diesel/Oil-based Gas/Air Closed-Loop System ²¹ Proposed Casing and Cement Program Casing weight/foot Casing Size Sacks of Cement Estimated TOC Hole Size Setting Depth 12 1/4" 8 5/8" 24# - 360' 165 Surface 7 7/8" 5 1/2" 17# 3400' 700 Surface 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 12 1/4" hole to 360' with fresh water. Set 8 5/8" 24# casing at 360' and cement to surface with 165 sacks class "C" + 2% CaCl₂ Drill out with 9.4+ppg saltwater to total depth at 3400'. Log open hole. Run 5 1/2" 17# casing to total depth and cement to surface with Approx. 425 sacks 35/65 class "C" + 5 % salt and 50/50 class "C" + 5 % salt. 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 OIL CONSERVATION DIVISION constructed according to NMOCD guidelines, ⋈, a general permit □, or an (attached) alternative OCD-approved plan Approved by: Signature: BRYAN G. ARRANT DISTRICT II GEOLOGIST Printed name: Carol A. Cook Title: NOV 2 6 2008 NOV 2 6 2017 Expiration Date: Title: Administrative Assistant Approval Date: E-mail Address: ccook@tandem-energy.com Date: 11-13-2007 Phone: (432) 686-7136 Conditions of Approval Attached

District I 1625 N. French Dr., Hobbs, NM 88240

District 11

1301 W. Grand Avenue, Artesia, NM 88210 District # 1000 Rio Bruzos Rd., Aztec, NM 87410

District IV

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION

1220 South St. Francis Dr. Santa Fe NM 87505

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

WO# 060106WL-g (COG)

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District I 1625 N. French Dr., Hobbs, NM 88240 District II

State of New Mexico **Energy Minerals and Natural Resources**

Form C-101 May 27, 2004

1301 W. Grand Avenue, Artesia, NM 88210 Submit to appropriate District Office Oil Conservation Division District III 1000 Rio Brazos Road, Aztec, NM 87410 1220 South St. Francis Dr. ☐ AMENDED REPORT District IV Santa Fe, NM 87505 1220 S. St. Francis Dr., Santa Fe, NM 87505 APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE OGRID Number Operator Name and Address Tandem Energy Corporation P.O. Box 1559 Midland, Texas 79702-1559 NOV 15 2007 236183 API Number 30 - 015-34961 Well No Property Code 265 **Ballard Grayburg San Andres Unit** 10 Propos ed Pool 2 9 Proposed Pool 1 Loco Hills Queen-Grayburg-San Andres ("Metex & Premier") (39520) Surface Location Feet from the Lot Idn North/South line East/West line County Feet from the UL or lot no Section Township Range 29-E 511 South 397 West Eddy M 4 18-S ⁸ Proposed Bottom Hole Location If Different From Surface UL or lot no Lot Idn Feet from the North/South line County Section Township Range Feet from the East/West line Additional Well Information 13 Cable/Rotary 12 Well Type Code 15 Ground Level Elevation 11 Work Type Code Lease Type Code R 3535 N 18 Formation O Spud Date Proposed Depth ¹⁹ Contractor ⁶ Multiple 3400 San Andres Mixon Drilling, Inc. ASAP No Distance from nearest fresh water well Depth to Groundwater Distance from nearest surface water ½ mile 100 3 miles Pit: Liner: Synthetic 12 mils thick Clay Pit Volume: 300 Drilling Method: Closed-Loop System Fresh Water Brine Diesel/Oil-based Gas/Air ²¹ Proposed Casing and Cement Program Casing weight/foot Hole Size Casing Size Setting Depth Sacks of Cement Estimated TOC 12 1/4" 8 5/8" 24# 360' 165 Surface 5 1/2" 17# 7 7/8" 3400 700 Surface

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an (attached) alternative OCD-approved plan.	A					
Signature: Allalla COM	Approved by:					
Printed name: Carol A. Cook	Title:					
Title: Administrative Assistant	Approval Date: Expiration Date:					
E-mail Address ccook@tandem-energy.com						
Date: 11-13-2007 Phone: (432) 686-7136	Conditions of Approval Attached					

District 1

1625 N. French Dr., Hobbs, NM 88240 District II

1301 W. Grand Avenue, Artesia, NM 88210 District 🛮

1000 Rão Brazos Rd., Aztec, NM 87410

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

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

WO# 060106WL-g (COG)

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