

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 Trilogy Operating, Inc P.O. Box 7606, Midland, TX 79708		² OGRID Number 021602
		³ API Number 30 - 025-36221
³ Property Code 30357	⁵ Property Name Diamond	⁶ Well No. 3
⁹ Proposed Pool 1 Wildcat: San Andres (97353)		¹⁰ Proposed Pool 2

7 Surface Location

UL or lot no. D	Section 24	Township 19S	Range 38E	Lot Idn	Feet from the 990	North/South line North	Feet from the 760	East/West line West	County Lea
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8 Proposed Bottom Hole Location If Different From Surface

UL or lot no. C	Section 24	Township 19S	Range 38E	Lot Idn	Feet from the 890	North/South line North	Feet from the 2310	East/West line West	County Lea
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Additional Well Information

¹¹ Work Type Code P	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3599
¹⁶ Multiple No	¹⁷ Proposed Depth 4500	¹⁸ Formation San Andres	¹⁹ Contractor Key - 115	²⁰ Spud Date 12/07/04
Depth to Groundwater 90		Distance from nearest fresh water well 1 mile		Distance from nearest surface water N/A
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume: 200 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"/>				

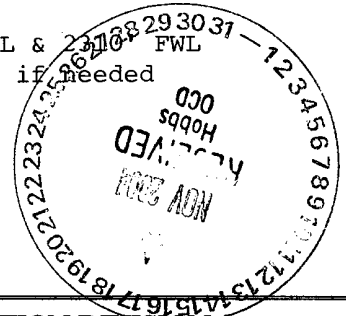
21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12.25	8.625	24	1720	850	circulated
7 875	5.50	17	7750	1620	circulated
4.750	3.50	10	4200'-4500'	300	4200
			(slotted Liner)		

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.

- 1) POH w/ rods and tbq, Set KO tool inside 5.50" csg @ approx 4000'
- 2) Start building curve w/ MWD to do Horizontal hole
- 3) Drill 1400' Horizontal hole @ 90 degrees to East BH @ 890' FNL & 2310' FWL
- 4) Set slotted 3 1/2" liner inside horizontal open hole & cement if needed
- 5) RDMO Drilling rig - Put well into production

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Horizontal



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 ☐.

OIL CONSERVATION DIVISION

Approved by:

Printed name: Michael G. Mooney

Title:

Title: Engineer

Approval Date:

Expiration Date:

E-mail Address: riograndeenergy@cox.net

NOV 22 2004

Date: 11/15/04

Phone: 432 - 686-2027

Conditions of Approval Attached ☐

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-36221	Pool Code 97353	Pool Name Wildcat: San Andres
Property Code 30357	Property Name DIAMOND	Well Number 3
OGRID No. 021602	Operator Name TRILOGY OPERATING, INC.	Elevation 3599'

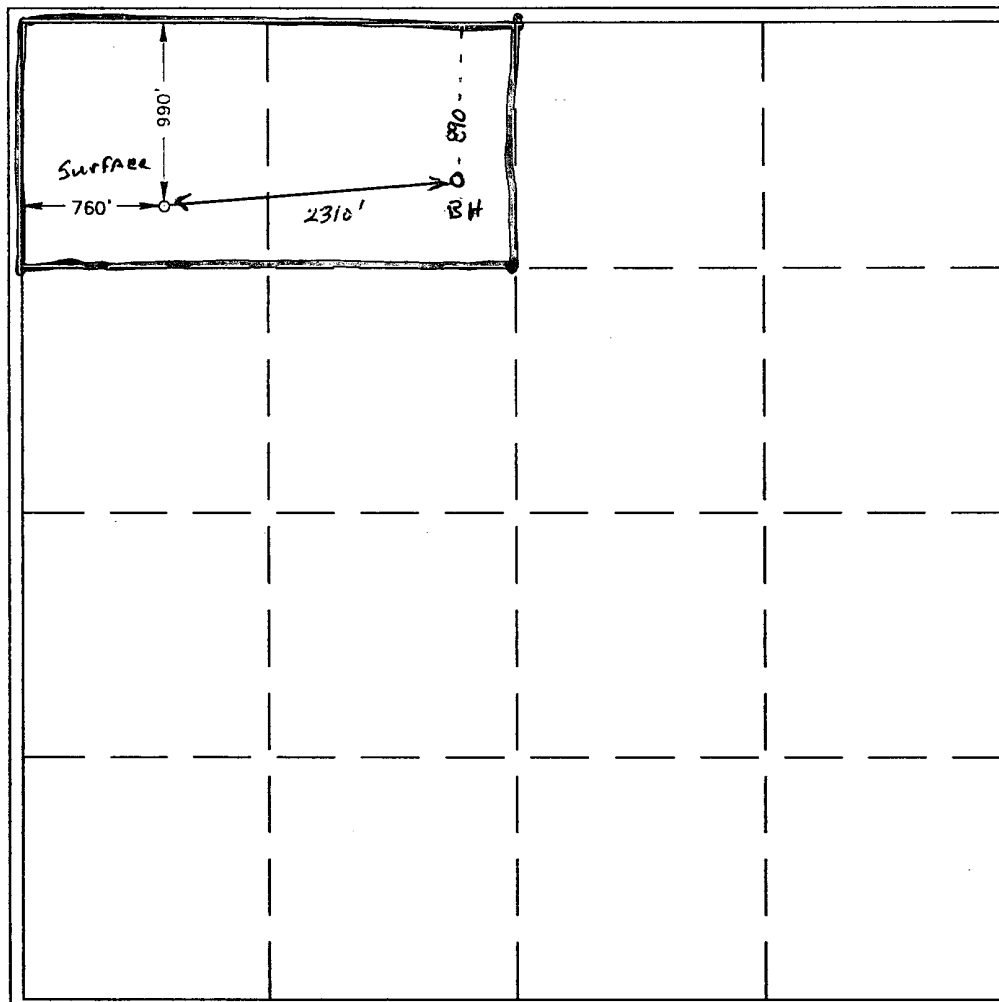
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	24	19-S	38-E		990'	NORTH	760'	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
C	24	19 S	38E		890'	North	2310	West	Lea
Dedicated Acres 80	Joint or Infill I	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



OPERATOR CERTIFICATION

I hereby certify the the information
contatned herein is true and complete to the
best of my knowledge and belief.

Michael G. Mooney
Signature

Michael G. Mooney
Printed Name

Engineer
Title

11/15/04
Date

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 07, 2003

Date Surveyed
Signature & Seal of
Professional Surveyor

Gary E. Edson
NEW MEXICO
12641
03.11.0288

Certificat No. RONALD E. EDSON 3239
GARY EDSON 12641

