

District I
PO Box 1980, Hobbs, NM 88241-1980

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 Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101

Revised October 18, 1994

Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ 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, Texas 79708		² OGRID Number 021602
		³ API Number 30 - 025-35949
⁴ Property Code 28066	⁵ Property Name Sapphire	⁶ Well No. 2

⁷Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
B	24	19S	38E		990	North	1900	East	Lea

⁸Proposed 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
⁹ Proposed Pool 1 Nadine ; Drinkard-Abo					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3591
¹⁶ Multiple No	¹⁷ Proposed Depth 8000	¹⁸ Formation Abo	¹⁹ Contractor Star Drilling # 3	²⁰ Spud Date 07-28-02

²¹Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4	8 5/8	24	1700	650	circulate
7 7/8	5 1/2	17	8000	900	circulate

²²Describe 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) Drill 12 1/4" hole w/ fresh water mud to an approximate depth of 1700'
- 2) Set 8 5/8" - 24# J-55 casing and cement w/ aproximately 650 sx class "c" w/ additives , or amount of cement needed to circulate to surface
- 3) WOC 24 hrs , Drill 7 7/8" hole w/ brine water mud to aproximately 8000' or depth to suffeciently test the Abo Formation
- 4) Run open hole logs and determine productivity potential of wellbore
- 5) Either plug & abandon well as per NMOC instructions or Run 5 1/2" - 17# N80 csg to a setting depth to cover Abo Formation or productive horizon - cement w/ lead class "c" & tail class "h" cement so as to circulate cement to surface - volumes will be determined

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Michael G. Mooney*
Printed name: Michael G. Mooney

Title: Engineer

Date: 07-15-02

Phone: 915-686-2027

OIL CONSERVATION DIVISION

Approved By:

ORIGINAL SIGNED BY:

Title:

PAUL F. KAUTZ

PETROLEUM ENGINEER

Approval Date:

JUL 18 2002

Expiration Date:

Conditions of Approval:

Attached: ☐

Permit Expires 1 Year From Approval
Date Unless Drilling Underway



PROPOSED BOP' CONFIGUREMENT

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

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

OIL CONSERVATION DIVISION

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-35949	Pool Code 47510	Pool Name Nadine Drinkard - Abo
Property Code 28066	Property Name SAPPHIRE	Well Number 2
OGRID No. 021602	Operator Name TRILOGY OPERATING INC.	Elevation 3591'

Surface Location

UL or lot No. B	Section 24	Township 19-S	Range 38-E	Lot Idn	Feet from the 990	North/South line NORTH	Feet from the 1900	East/West line EAST	County LEA
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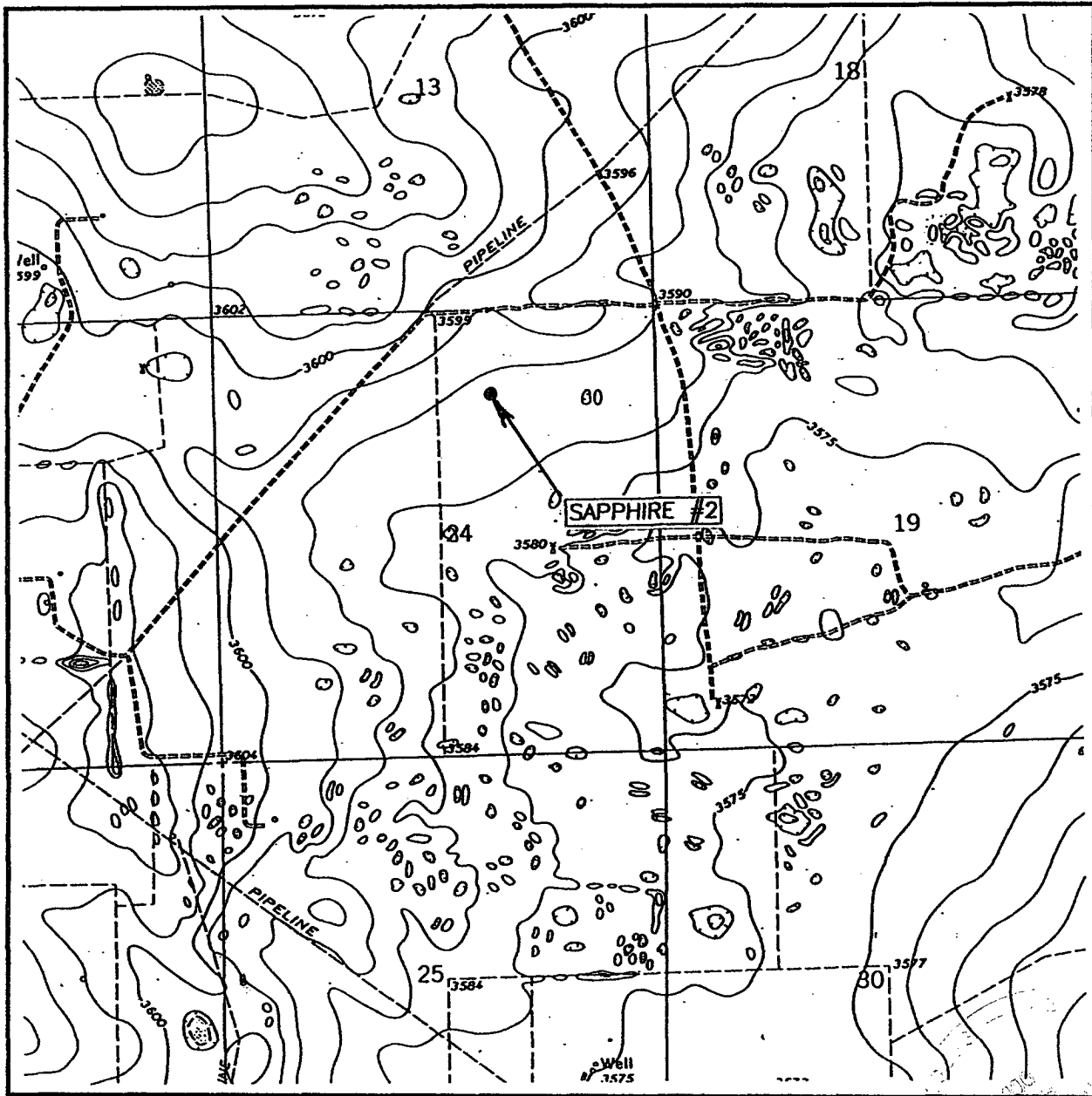
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	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 contained herein is true and complete to the best of my knowledge and belief. Signature Michael G. Mooney Printed Name Engineer Title 7/15/02 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. JULY 09, 2002 Date Surveyed AWB Signature & Seal of Professional Surveyor Ronald G. Edson 7/10/02 Certificate No. RONALD G. EDSON 3239 GARY EDSON 12641	

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 5'
HOBBS EAST, N.M.

SEC. 24 TWP. 19-S RGE. 38-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 990' FNL & 1900' FEL

ELEVATION 3591'

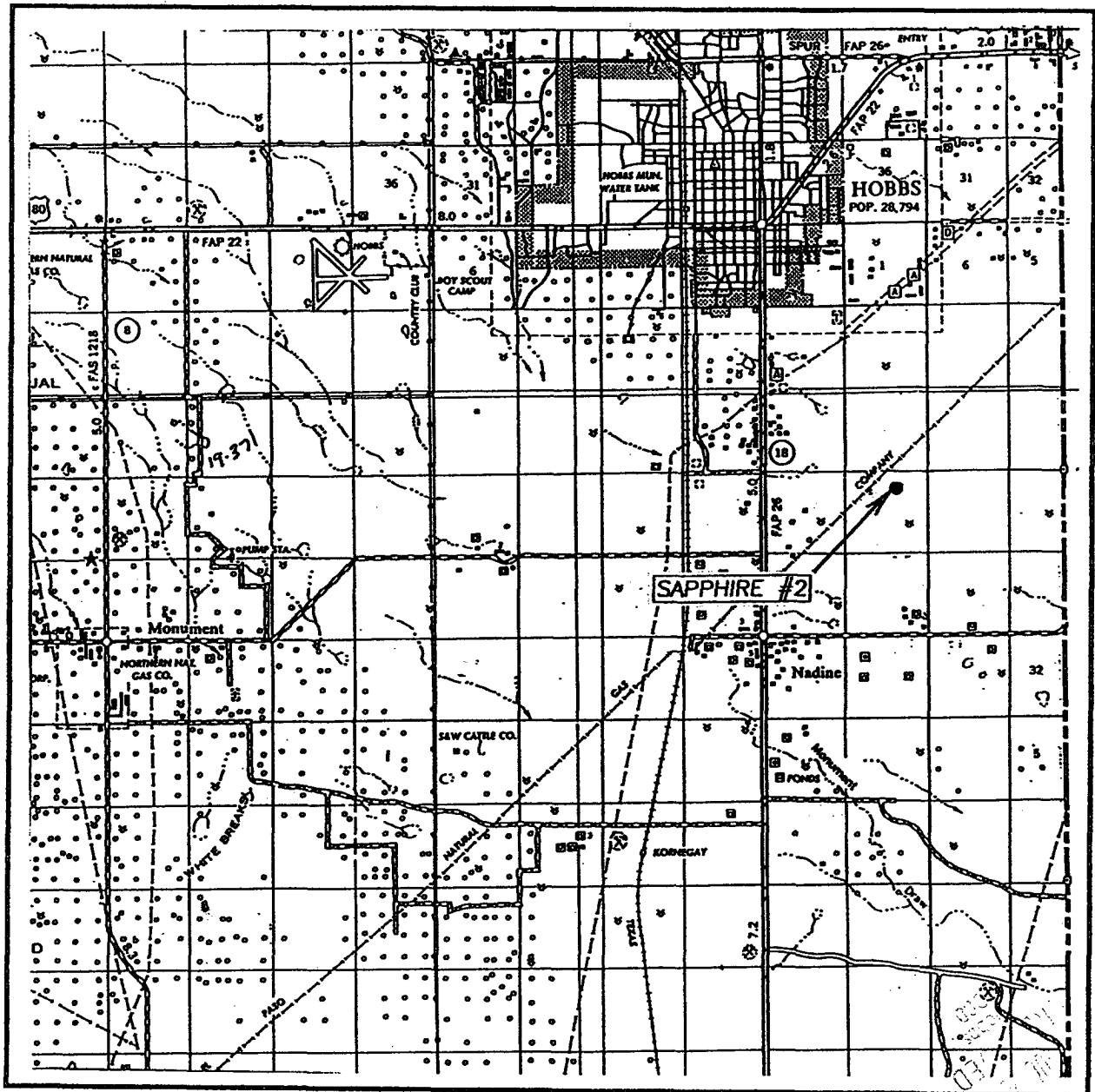
OPERATOR TRILOGY OPERATING INC.

LEASE SAPPHIRE

U.S.G.S. TOPOGRAPHIC MAP
HOBBS EAST, N.M.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 24 TWP. 19-S RGE. 38-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 990' FNL & 1900' FEL

ELEVATION 3591'

OPERATOR TRILOGY OPERATING INC.

LEASE SAPPHIRE

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117



CONFIDENTIAL

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CONFIDENTIAL
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ELF 12/18/02
ABOVE DATE DOES NOT
INDICATE WHEN
CONFIDENTIAL LOSS
WILL BE RELEASED