

District I
1625 N. French Dr., Hobbs, N.M. 88240
District II
1301 W. Grand Ave., Artesia, N.M. 88210
District III
1000 Rio Brazos Rd., Aztec, N.M. 87410
District IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised February 10, 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 Melrose Operating Co. c/o P.O. Box 953 Midland, TX 79702		² OGRID Number 184860	
		³ API Number 30-0 15 - 33285	
⁴ Property Code 26081	⁵ Property Name OCD-ARTESIA		⁶ Well No. 101

7 Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	35	17S	28E		481'	South	994'	West	Eddy

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

9. Proposed Pool 1

Artesia, Queen-Grayburg-San Andres (03230)

10. Proposed Pool 2

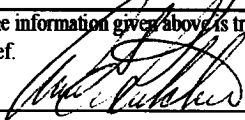

11. Work Type Code N	12. Well Type Code O	13. Cable/Rotary R	14. Lease Type Code S	15. Ground Level Elevation 3668'
16. Multiple no	17. Proposed Depth 3500'	18. Formation San Andres	19. Contractor United Drlg.	20. Spud Date 3-11-04

21. Proposed 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#	300'	275 sx	surface
7 7/8"	5 1/2"	15.5#	3500'	600 sx	surface
			400 - 450'		

22. Describe the proposed program. If this 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.

Propose to drill 12 1/4" hole to 300', set 8 5/8" casing, cement to surface. RU BOPs. Drill 7 7/8" hole to 3500', set 5 1/2" casing, cement to surface, RD BOPs & drilling rig. Perforate San Andres formation & frac. Place well on test.

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: 		OIL CONSERVATION DIVISION Approved by: 	
Printed Name: Ann E. Ritchie		Title: District Supervisor	
Title: Regulatory Agent		Approval Date: MAR 09 2004 Expiration Date: MAR 09 2005	
Date: 2-28-04	Phone: 432 684-6381	Conditions of Approval: Attached: <input type="checkbox"/>	

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

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

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

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <i>30-015-</i>	Pool Code <i>03230</i>	Pool Name <i>Artesia, Queen-Grayburg-San Andres</i>
Property Code <i>26081</i>	Property Name ARTESIA UNIT	Well Number 101
OGRID No. <i>184860</i>	Operator Name MELROSE OPERATING COMPANY	Elevation 3668'

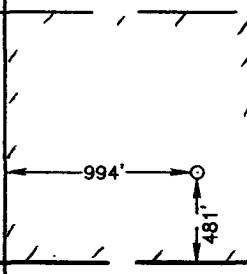
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	35	17 S	28 E		481	SOUTH	994	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 <i>40</i>	Joint or Infill	Consolidation Code	Order No. <i>Waterflood Unit</i>						

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

SEC. 34 SEC. 35	SEC. 3 SEC. 2		GEODETC COORDINATES NAD 27 NME Y-649559.0-N X-555826.9-E LAT.= 32°47'08.15" N LONG.= 104°09'06.04" W	T 17 S
				T 18 S

OPERATOR CERTIFICATION

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

Ann E. Ritchie
Signature
Ann E. Ritchie
Printed Name
Regulatory Agent
Title
2-27-04
Date

SURVEYOR CERTIFICATION

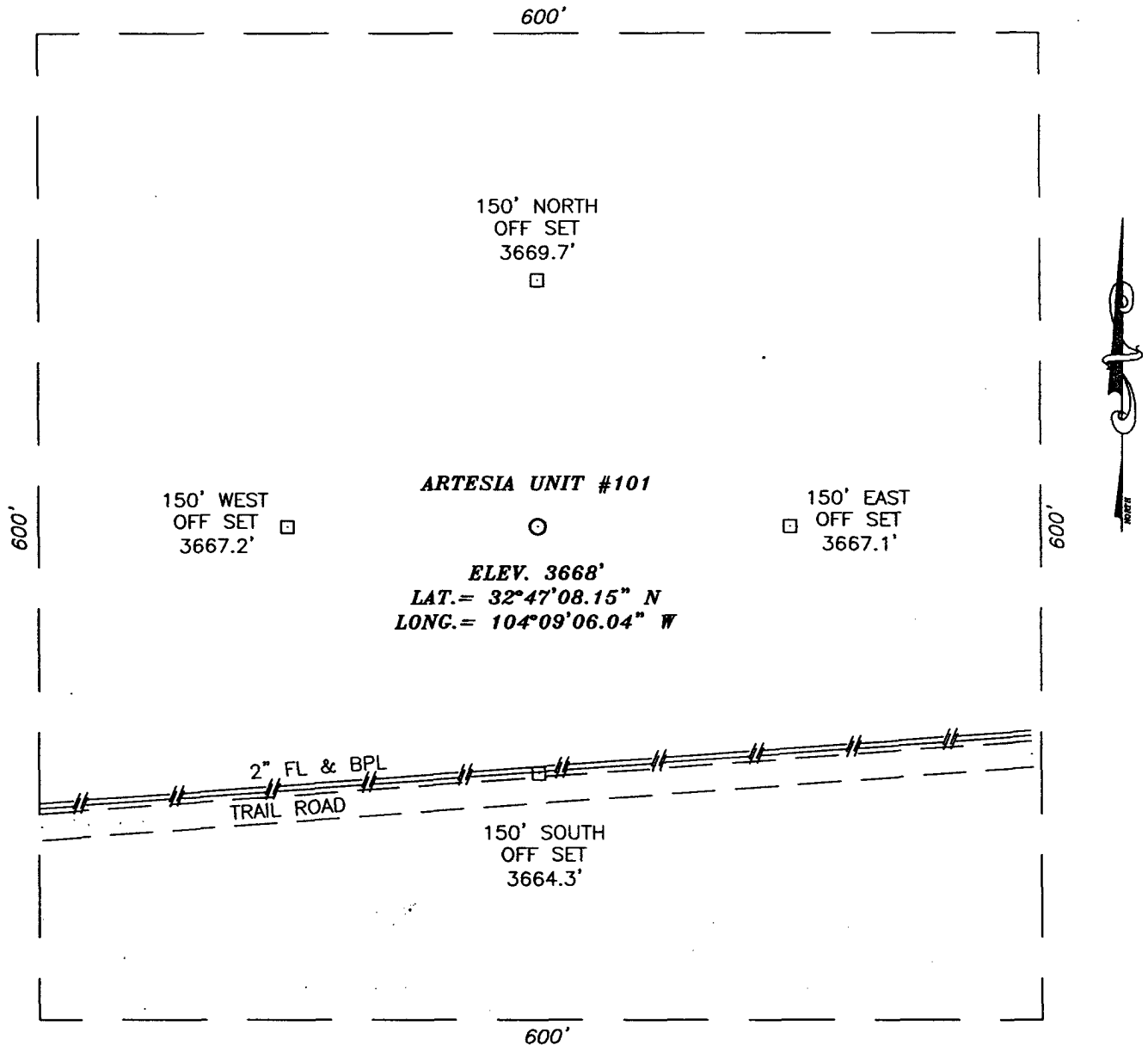
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

FEBRUARY 17, 2004

Date Surveyed **LMP**

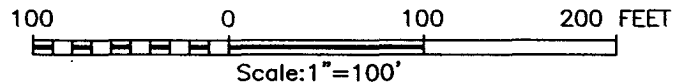
Signature & Seal of **GARY EIDSON**
Professional Surveyor
GARY EIDSON
04.11.0179
Certificate No. **GARY EIDSON** 12641

SECTION 35, TOWNSHIP 17 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



DRIVING DIRECTIONS:

FROM THE INTERSECTION OF US HWY 82 AND STATE HWY 360. GO SOUTHEAST 1.6 MILES ALONG STATE HWY 360 TO AN INTERSECTION. TURN LEFT ON CALICHE ROAD AND GO NORTHEAST 0.3 MILES TO A PIPELINE ROAD ON THE LEFT. FOLLOW PIPELINE ROAD SOUTHWEST 0.2 MILES TO LOCATION.



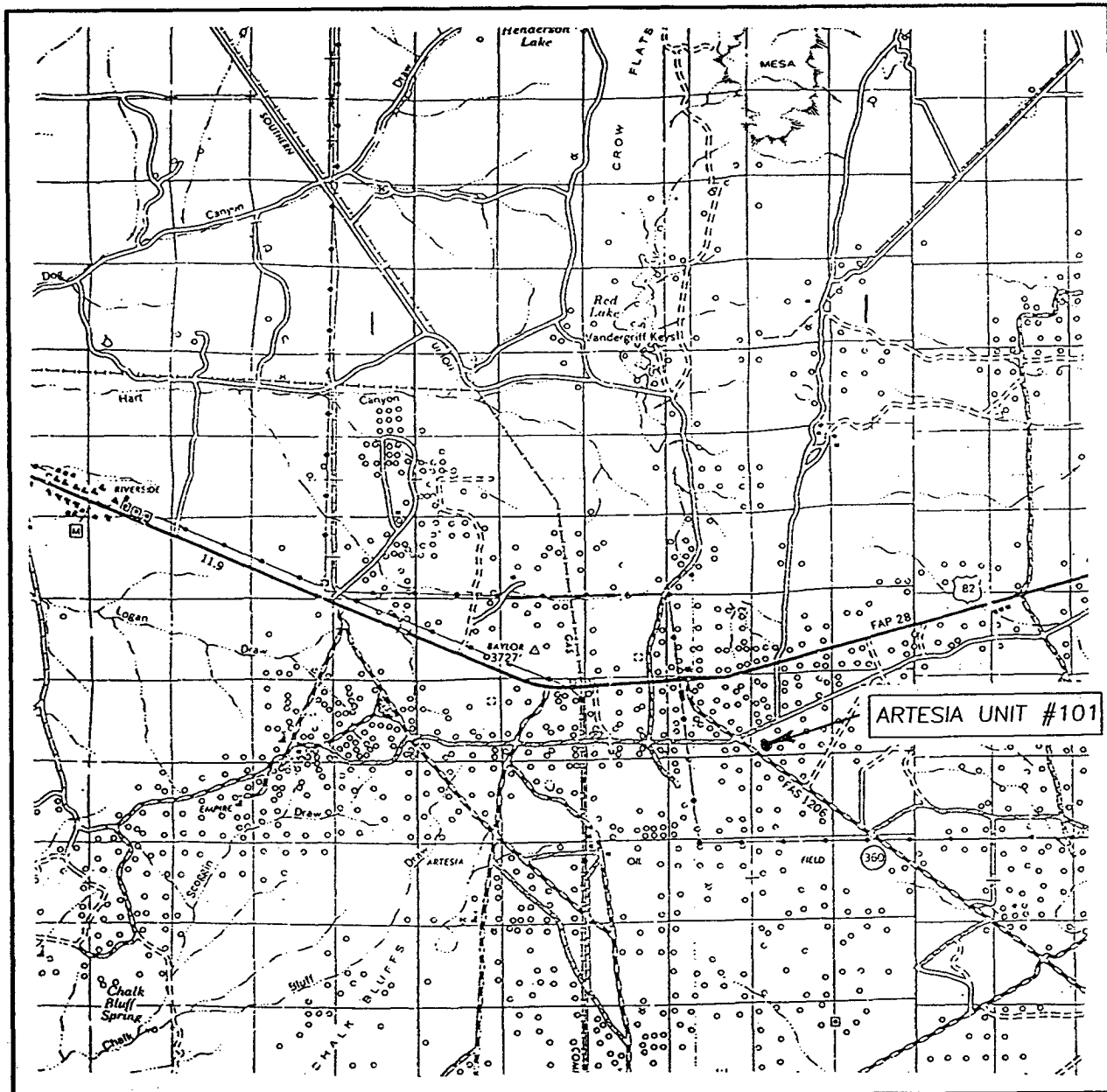
MELROSE OPERATING COMPANY

ARTESIA UNIT #101
LOCATED 481 FEET FROM THE SOUTH LINE
AND 994 FEET FROM THE WEST LINE OF SECTION 35,
TOWNSHIP 17 SOUTH, RANGE 28 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO

Survey Date: 2/17/04	Sheet 1 of 1 Sheets
W.O. Number: 04.11.0179	DRAWN BY: L. PERALES
Date: 2/20/04	DISK: CD '04
04110179	Scale: 1"=100'

JOHN WEST SURVEYING COMPANY
412 N. DAL PASO - HOBBS, NEW MEXICO - 505-393-3117

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 35 TWP. 17-S RGE. 28-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 481' FSL & 994' FWL

ELEVATION 3668'

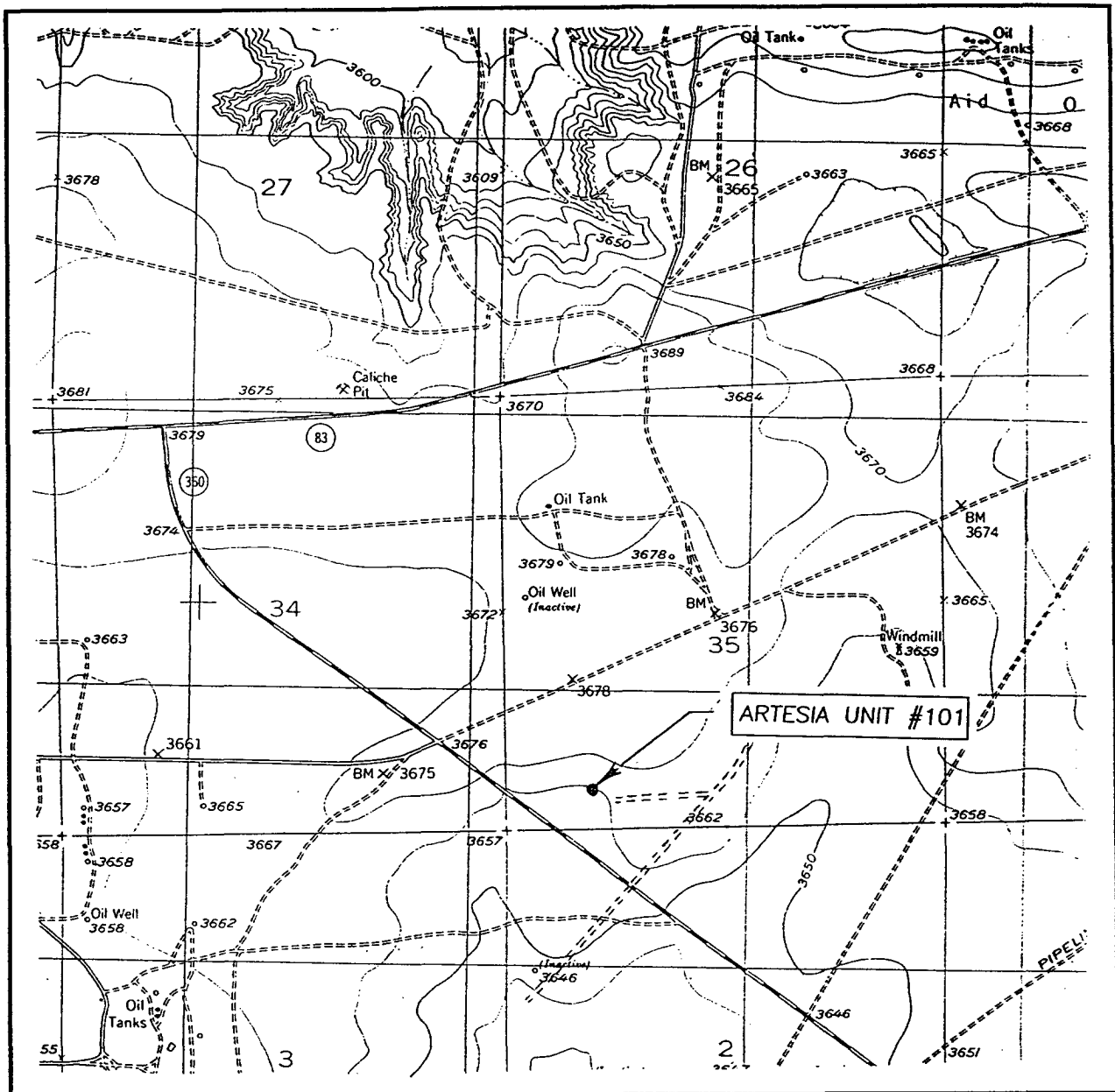
OPERATOR MELROSE

OPERATING COMPANY

LEASE ARTESIA UNIT

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

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
RED LAKE, N.M. - 20'

SEC. 35 TWP. 17-S RGE. 28-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 481' FSL & 994' FWL

ELEVATION 3668'

MELROSE

OPERATOR OPERATING COMPANY

LEASE ARTESIA

U.S.G.S. TOPOGRAPHIC MAP
RED LAKE, N.M.

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

Memo

To: Tim Gumm, OCD

From: Tony Beilman

CC: Chris Thomas

Date: 3/09/04

Re: Application to Drill the Artesia Unit Wells 100, 101, 102, 103, 104

Mr. Gumm,

Please accept this letter as my affidavit attesting that the H₂S concentration on these proposed wells are below 100 ppm. Rule 118 requires that I provide this data to you. I had contracted WTOR Ann Ritchie to file the APD and she had alerted me of this requirement. At that time I thought the correspondence was sent. I apologize for any delays that I may have caused you for an incomplete APD.

Sincerely I remain



Anthony J Beilman, P.E.

Artesia Unit 101
35-17-28 481 S/994W