

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

Oil Conservation Division

2040 South Pacheco

Santa Fe, NM 87505

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

Operator Name and Address ARCH PETROLEUM, INC. P.O. BOX 10340 MIDLAND, TEXAS 79702-7340		OGRID Number 962
Property Code 33418		API Number 30-025-36570
Property Name RESLER "A"		Well No. 1

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
K	20	23S	37E		2030'	SOUTH	1880'	WEST	LEA CO.

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
Proposed Pool 1 (37240) LANGLIE MATTIX-7 Rivers Queen Grayburg					Proposed Pool 2				

Work Type Code N	Well Type Code O	Cable/Rotary ROTARY	Lease Type Code P	Ground Level Elevation 3305'
Multiple NO	Proposed Depth 3700'	Formation YATES, 7-RIVERS	Contractor UNKNOWN	Spud Date WHEN APPROVED

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
25"	20"	Conductor	40'	Redi-mix	Surface
12 1/2"	8 5/8"	24	1100'	650 Sx.	Surface
7 7/8"	5 1/2"	15.5	3700'	750 Sx.	500'±

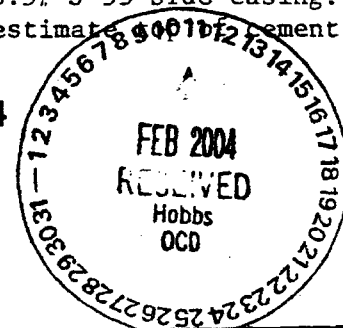
22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

1. Drill 25" hole to 40'. Set 40' of 20" conductor and cement to surface with Redi-mix.
2. Drill 12 1/2" hole to 1100'. Run and set 1100' of 8 5/8" 24# J-55 ST&C casing. Cement with 650 Sx. of Class "C" cement + additives, circulate cement to surface.
3. Drill 7 7/8" hole to 3700'. Run and set 3700' of 5 1/2" 15.5# J-55 ST&C casing. Cement with 750 Sx. of Class "C" cement + additives, estimate 500' from surface.

NMOCD Case No. 13274

Fulfer Exhibit No. **F**

Permit Expires 1 Year From Approval
Date Unless Drilling Underway



I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>Joe T. Janica</i>		Approved by: <i>[Signature]</i>	
Printed name: Joe T. Janica		Title: PETROLEUM ENGINEER	
Title: Agent		Approval Date: FEB 17 2004	
Date: 02/11/04		Expiration Date:	
Phone: 505 201 9502		Conditions of Approval:	

DISTRICT I
P.O. Box 1888, Hobbs, NM 88241-1888

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 88, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT III
1000 Elb Brazos Rd., Artec, NM 87410

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30.025-36570	Pool Code 37240	Pool Name LANGLIE MATTIX- 7 Rivers-Queen-Grayburg
Property Code 33418	Property Name RESLER A	Well Number 1
OGRID No. 962	Operator Name ARCH PETROLEUM, INC.	Elevation 3305'

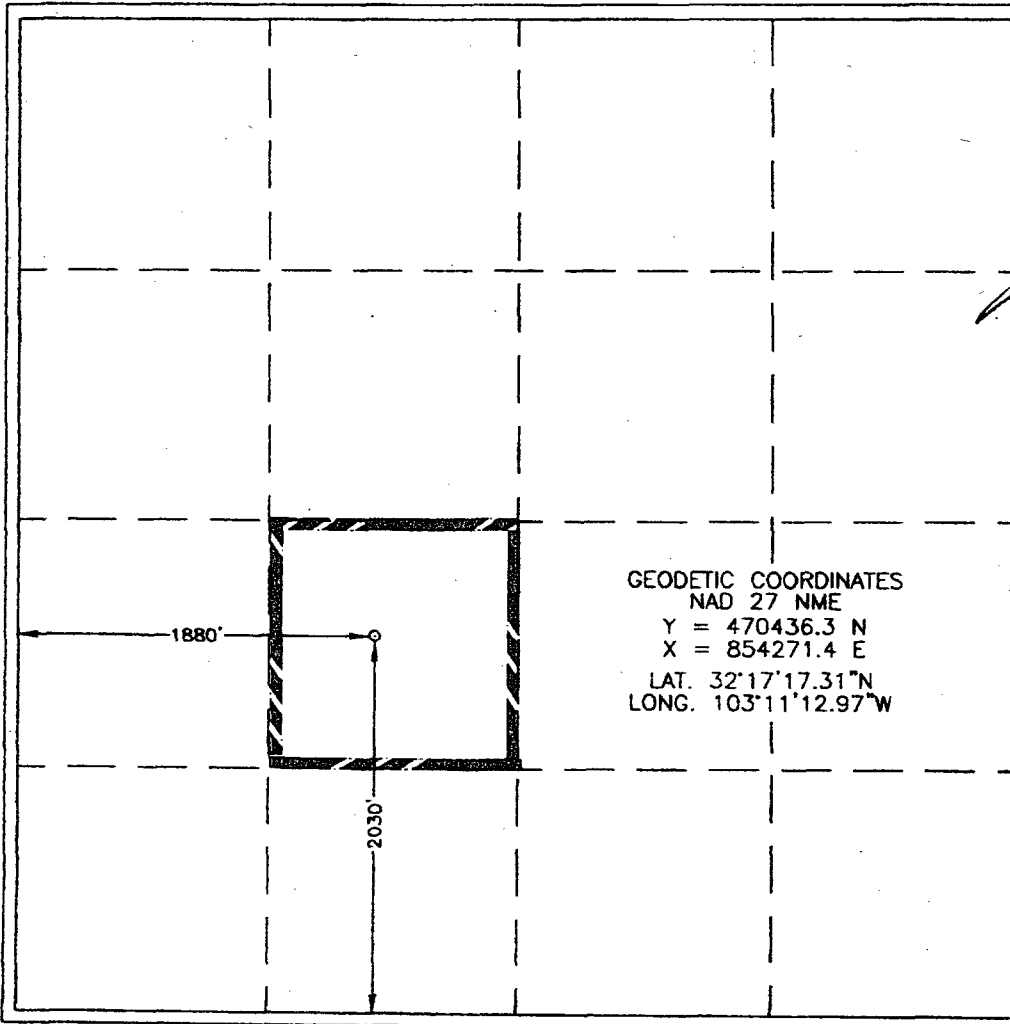
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	20	23-S	37-E		2030	SOUTH	1880	WEST	LEA

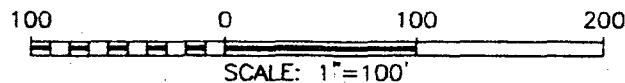
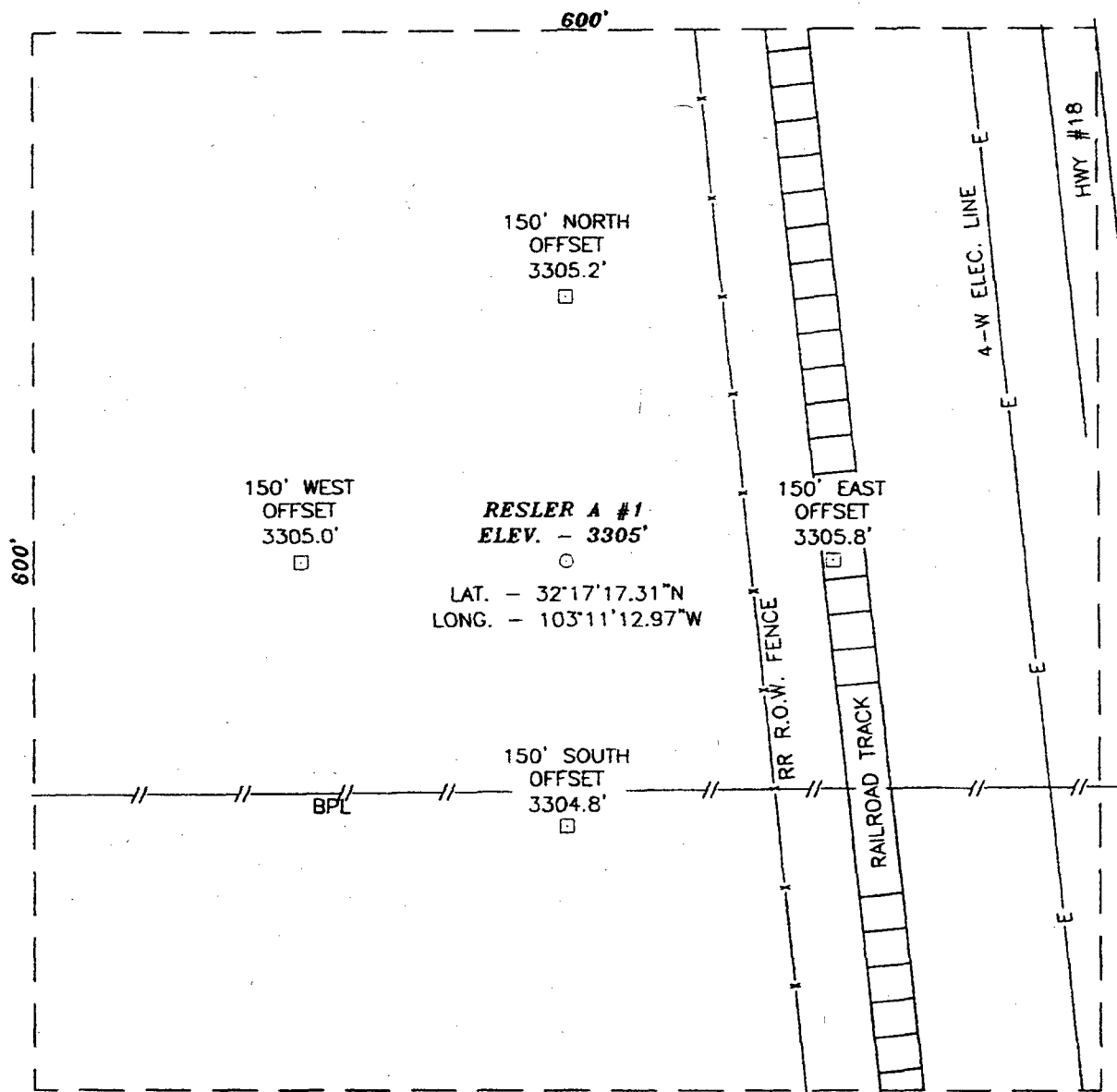
Bottom Hole Location If Different From Surface

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

	<p>GEODETIC COORDINATES NAD 27 NME Y = 470436.3 N X = 854271.4 E LAT. 32°17'17.31"N LONG. 103°11'12.97"W</p>
	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Joe T. Janica</i> Signature Joe T. Janica Printed Name Agent Title 02/11/04 Date</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>FEBRUARY 2, 2004</p> <p>Date Surveyed Signature & Seal of Professional Surveyor GARY EDSON 04.11.0120 Certificate No. GARY EDSON 12641</p>

SECTION 20, TOWNSHIP 23 SOUTH, RANGE 37 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.



DIRECTIONS TO LOCATION:

THIS WELL IS LOCATED 0.5 MILES SOUTH OF MILE POST #21 ON
STATE HWY. #18 AND APPROX. 300' WEST.

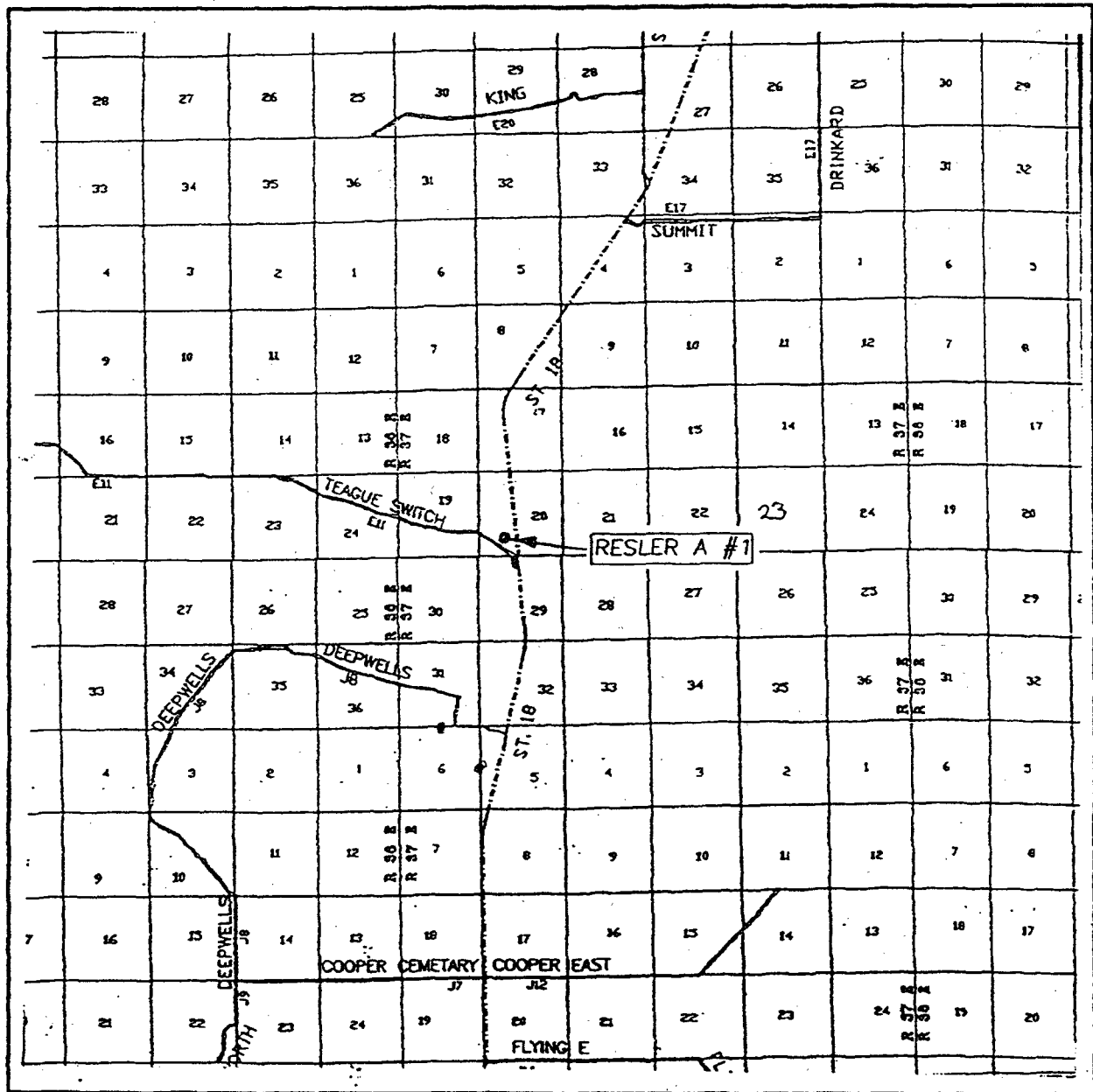
ARCH PETROLEUM, INC.

THE RESLER A #1 LOCATED 2030 FROM
THE SOUTH LINE AND 1880 FROM THE WEST LINE
SECTION 20, TOWNSHIP 23 SOUTH, RANGE 37 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

Survey Date: 2/03/04	Sheet 1 of 1 Sheets
W.O. Number: 04.11.0120	Drawn By: L.A.
Date: 2/03/04	DISK:CD#3
	04110120

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

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 20 TWP. 23-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 2030' FSL & 1880' FWL

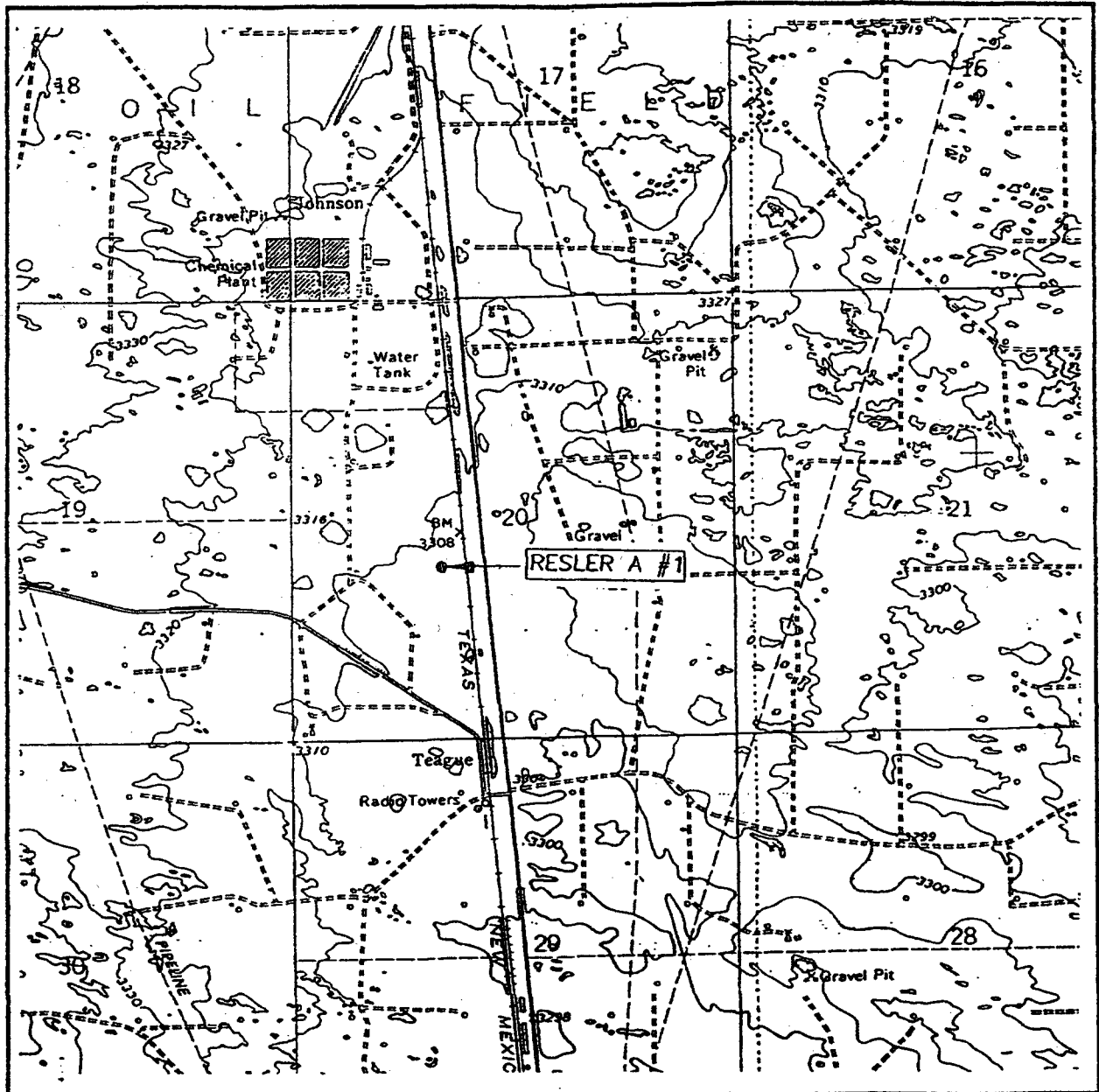
ELEVATION 3305'

OPERATOR

LEASE RESLER A

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

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'
RATTLESNAKE CANYON, N.M.

SEC. 20 TWP. 23-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 2030' FSL & 1880' FWL

ELEVATION 3305'

OPERATOR

LEASE RESLER A

U.S.G.S. TOPOGRAPHIC MAP
RATTLESNAKE CANYON, N.M.

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