

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

Energy Minerals and Natural Resources

Revised March 17, 1999

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 14916		API Number 30-025-36241
Property Name LAURA J. MAY		Well No. 2

Surface Location

UL or loc no. I	Section 27	Township 22-S	Range 37-E	Loc 1/4 1830'	Feet from the 1830'	North/South line SOUTH	Feet from the 510'	East/West line EAST	County LEA
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Proposed Bottom Hole Location If Different From Surface

UL or loc no.	Section	Township	Range	Loc 1/4	Feet from the	North/South line	Feet from the	East/West line	County
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Proposed Pool 1

McCormack-Silurian South (45430)

Proposed Pool 2

Work Type Code N	Well Type Code O	Cable/Rotary ROTARY	Lease Type Code P	Ground Level Elevation 3320'
Multiple NO	Proposed Depth 7500'	Formation FUSSELMAN Silurian	Contractor UNKNOWN	Spud Date WHEN APPROVED

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
17 1/2"	13 3/8"	48	1100'	1000 Sx.	Surface
11"	8 5/8"	32	3450'	1000 Sx.	Surface
7 7/8"	5 1/2"	15 & 15.5	7500'	800 Sx.	2500' FS.

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 pipe and cement to surface with Redi-mix.
2. Drill 17 1/2" hole to 1100'. Run and set 1100' of 13 3/8" 48# J-40 ST&C casing. Cement with 1000 Sx. of Class "C" cement + additives, circulate cement to surface.
3. Drill 11" hole to 3450'. Run and set 3450' of 8 5/8" 32# J-55 ST&C casing. Cement with 1000 Sx. of Class "C" cement + 2% CaCl₂ + 1/4# Flocele/Sx. circulate cement to surface.
4. Drill 7 7/8" hole to 7500'. Run and set 7500' of 5 1/2" 15.5 & 15# J-55 ST&C casing. Cement with 800 Sx. of Class "C" cement + additives, estimate top of cement 2500' from surface.

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: APR 11 2003 Expiration Date:	
Date: 04/10/03	Phone: 505-391-8503	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 30-025-36241	Pool Code 45430	Pool Name McCORMACK-SILURIAN SOUTH
Property Code 14916	Property Name LAURA J. MAY	Well Number 2
OGRIID No. 962	Operator Name ARCH PETROLEUM, INC.	Elevation 3320'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	27	22-S	37-E		1830'	SOUTH	510'	EAST	LEA

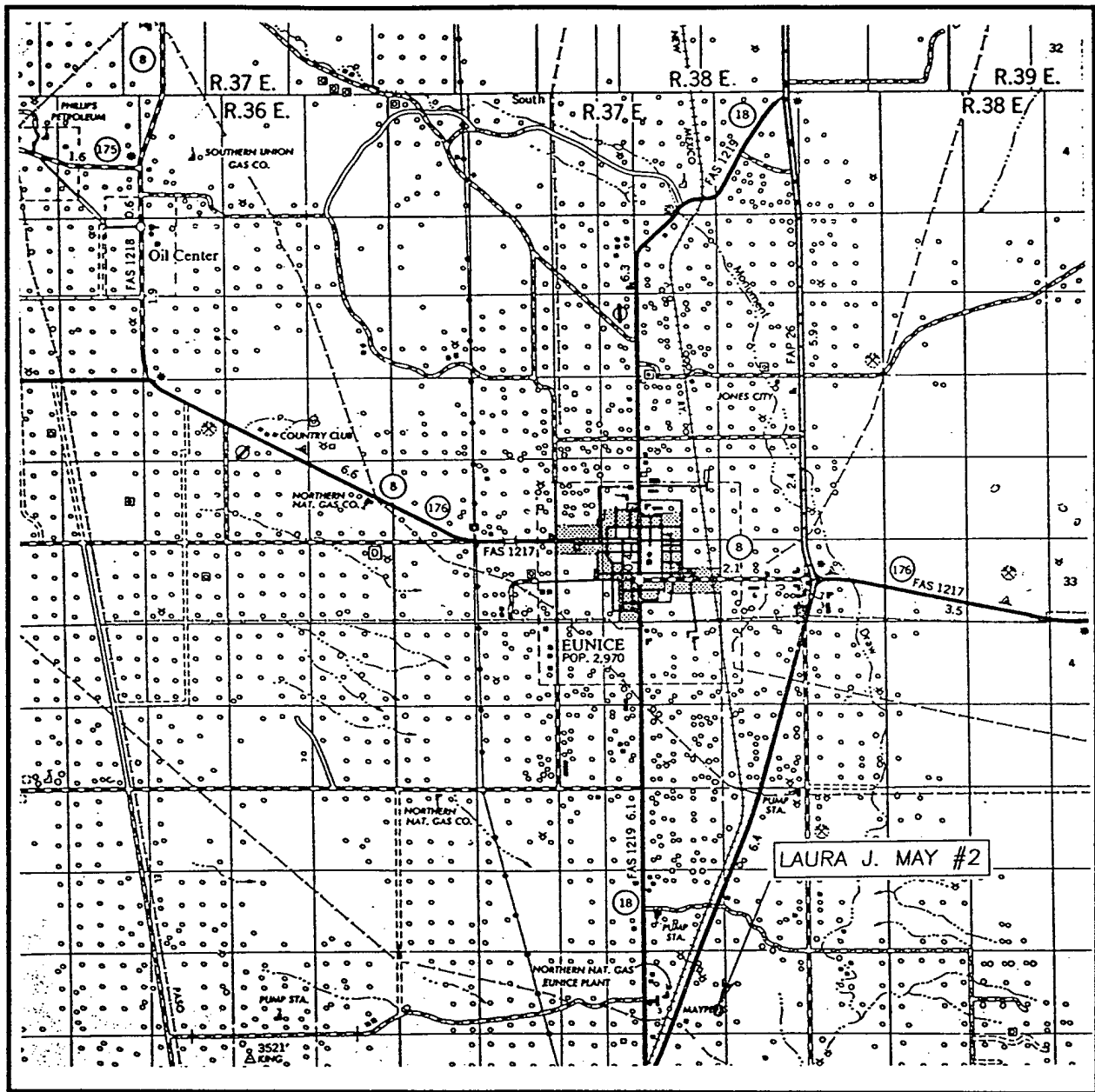
Bottom Hole Location If Different From Surface

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

	GEODETIC COORDINATES NAD 27 NME Y = 496925.0 X = 867400.9 LAT. 32°21'37.97"N LONG. 103°08'36.62"W	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature Joe T. Janica Printed Name AGent Title 04/10/03 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. April 08, 2003 Date Surveyed A.W.B Signature & Seal of Professional Surveyor Certificate No. RONALD J. EDSON 3239 GARY EDSON 12641

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 27 TWP. 22-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1830' FSL & 510' FEL

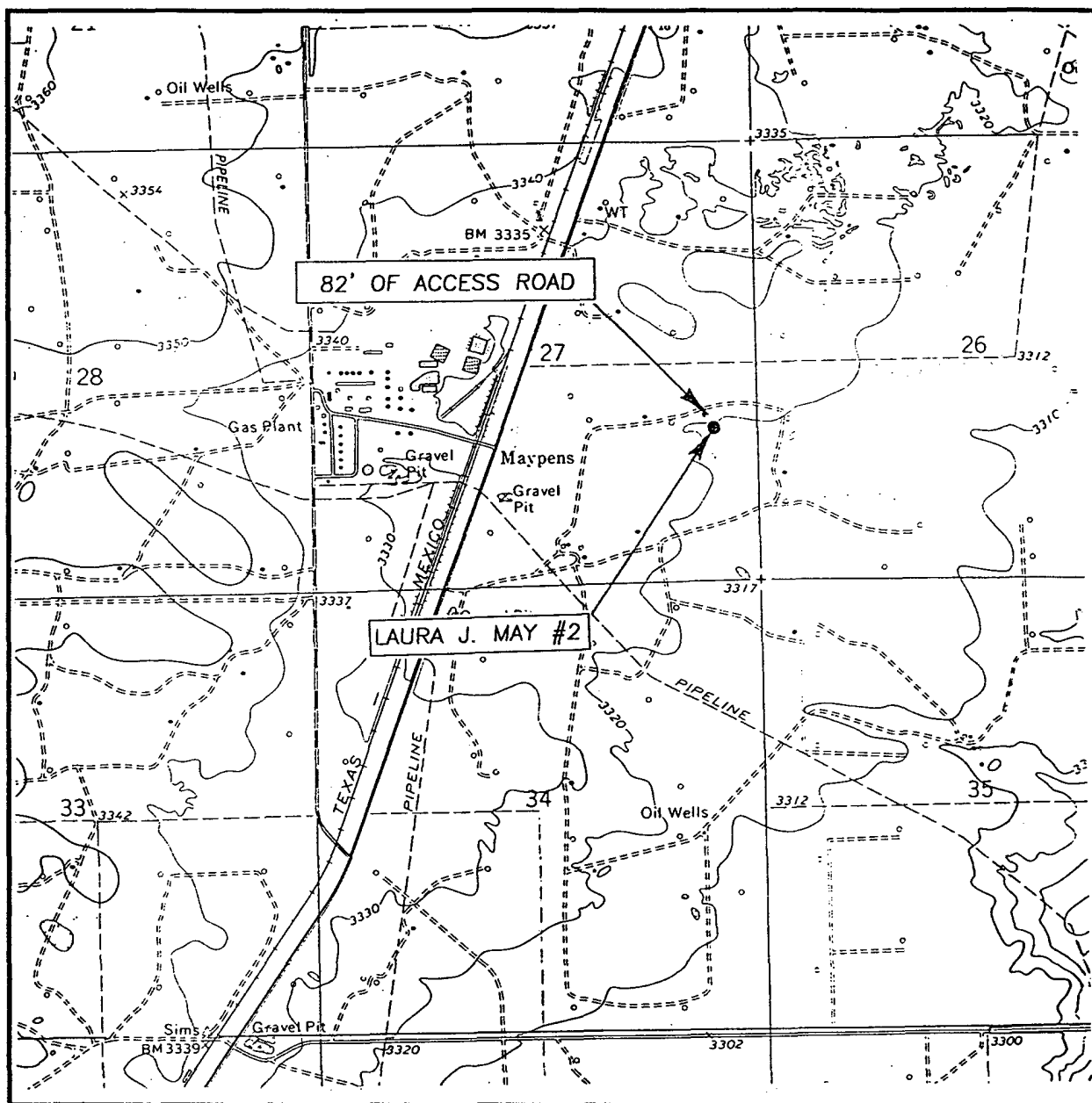
ELEVATION 3320'

OPERATOR ARCH PETROLEUM, INC.

LEASE LAURA J. MAY

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

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'
RATTLESNAKE CANYON

SEC. 27 TWP. 22-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1830' FSL & 510' FEL

ELEVATION 3320'

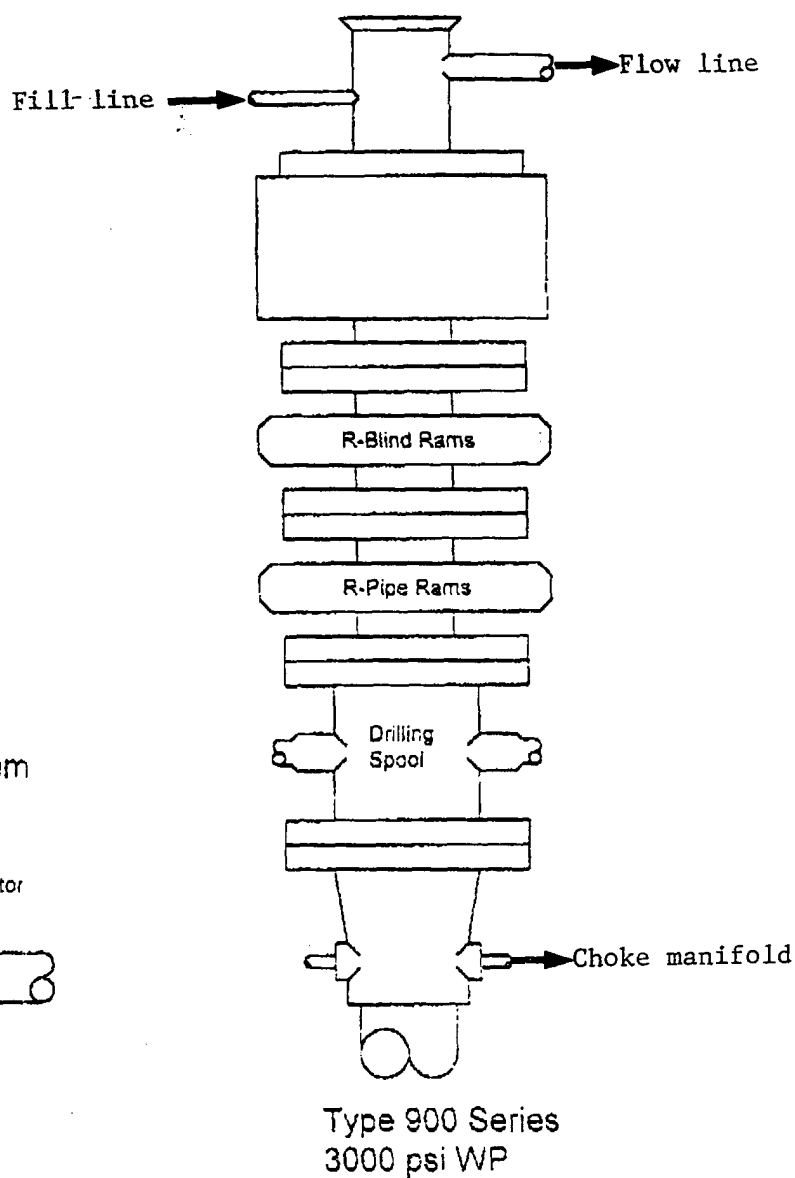
OPERATOR ARCH PETROLEUM, INC.

LEASE LAURA J. MAY

U.S.G.S. TOPOGRAPHIC MAP
RATTLESNAKE CANYON

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

BLOWOUT PREVENTER SYSTEM



Choke Manifold Assembly for 3M WP System

