

District I
1625 N. French Dr., Hobbs, NM 88240
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

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised March 17, 1999

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 14913		API Number 30-025-36105
Property Name L.I. BAKER		Well No. 5

Surface Location

UL or lot no. I	Section 5	Township 22S	Range 37E	Lot Ltn	Feet from the 2310'	North/South line SOUTH	Feet from the 990'	East/West line EAST	County LEA
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Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ltn	Feet from the	North/South line	Feet from the	East/West line	County
Proposed Pool 1 EUNICE SAN ANDRES-SW (24180)					Proposed Pool 2				

Work Type Code N	Well Type Code O	Cable/Rotary ROTARY	Lease Type Code P	Ground Level Elevation 3427' GR.
Multiple NO	Proposed Depth 4000'	Formation SAN ANDRES	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
12 1/4"	8 5/8"	32	1100'	650 Sx.	Surface
7 7/8"	5 1/2"	15.5	4000'	750 Sx.	750' F.Surface

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 1/4" hole to 1100'. Run and set 1100' of 8 5/8" 32# J-55 ST&C casing. Cement with 650 Sx. of Class "C" cement + 1/4# Flocele/Sx., + 2% CaCl, circulate cement to surface.
3. Drill 7 7/8" hole to 4000'. Run and set 4000' of 5 1/2" 15.5# J-55 ST&C casing. Cement with 750 Sx. of Class "C" cement + 1/4# Flocele/Sx., + 2% CaCl, estimate top of cement 750' 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. Signature: <i>Joe T. Janica</i>		OIL CONSERVATION DIVISION	
Printed name: Joe T. Janica		Approved by: ORIGINAL SIGNED BY	
Title: Agent		Title: PAUL F. KAUTZ PETROLEUM ENGINEER	
Date: 01/16/03	Phone: 505-391-8503	Approval Date: JAN 17 2003 Attached ☐	

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

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-3610.5		Pool Code 24180	Pool Name EUNICE SAN ANDRES-SOUTHWEST
Property Code 14913	Property Name L. I. BAKER		Well Number 5
OGRID No. 962	Operator Name ARCH PETROLEUM, INC.		Elevation 3427'

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	5	22-S	37-E		2310	SOUTH	990	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	Joint or Infill	Consolidation Code	Order No.
40			

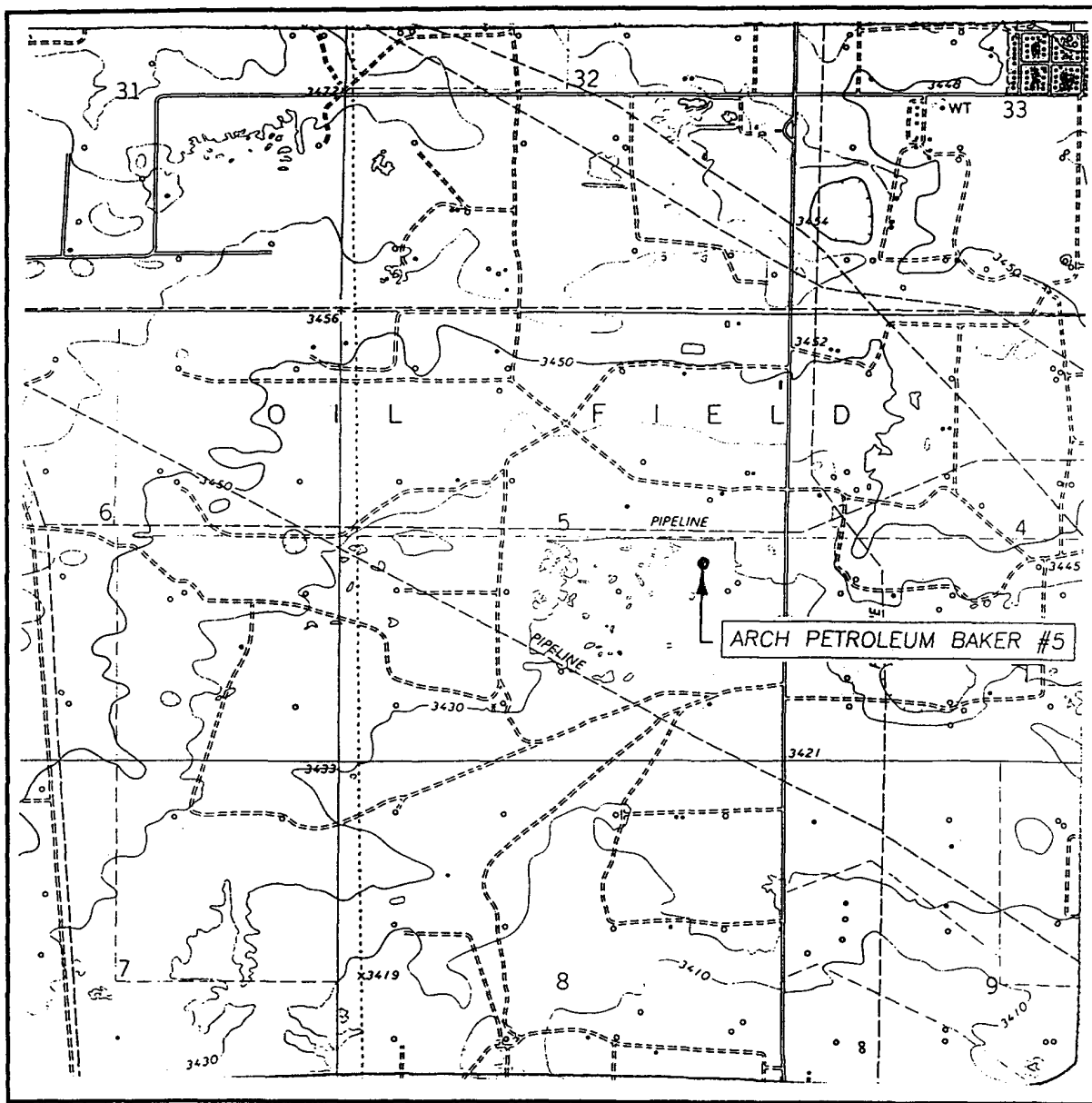
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

4	3	2	1
40.28 AC.	40.18 AC.	40.09 AC.	39.99 AC.
GEODETIC COORDINATES NAD 27 NME Y = 518381.6 X = 856107.2 LAT. 32°25'11.49"N LONG. 103°10'45.57"W			
OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <i>Joe T. Janica</i> Signature Joe T. Janica Printed Name Agent Title 01/16/03 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. JANUARY 13, 2003 Date Surveyed Signature & Seal of Professional Surveyor <i>Ronald J. Edson</i> 03.11.0036 Certificate No. RONALD J. EDSON 3239 GARY EDSON 12641			

This is a detailed geological map of the Eureka area, California, showing oil and gas fields, wells, and infrastructure. The map includes labels for 'COUNTRY CLUB', 'NORTHERN NAT. GAS CO.', 'EUREKA', 'FAS 1217', 'FAS 1219', 'PUMP STA.', '3521' KING', '3340', 'JOHNSON', and 'ARCH PETROLEUM BAKER #5'. It also features a grid system with numbers like 176, 18, and 19, and various symbols for wells and geological features.

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

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'
EUNICE, N.M.

SEC. 5 TWP. 22-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 2310' FSL & 990' FEL

ELEVATION 3427'

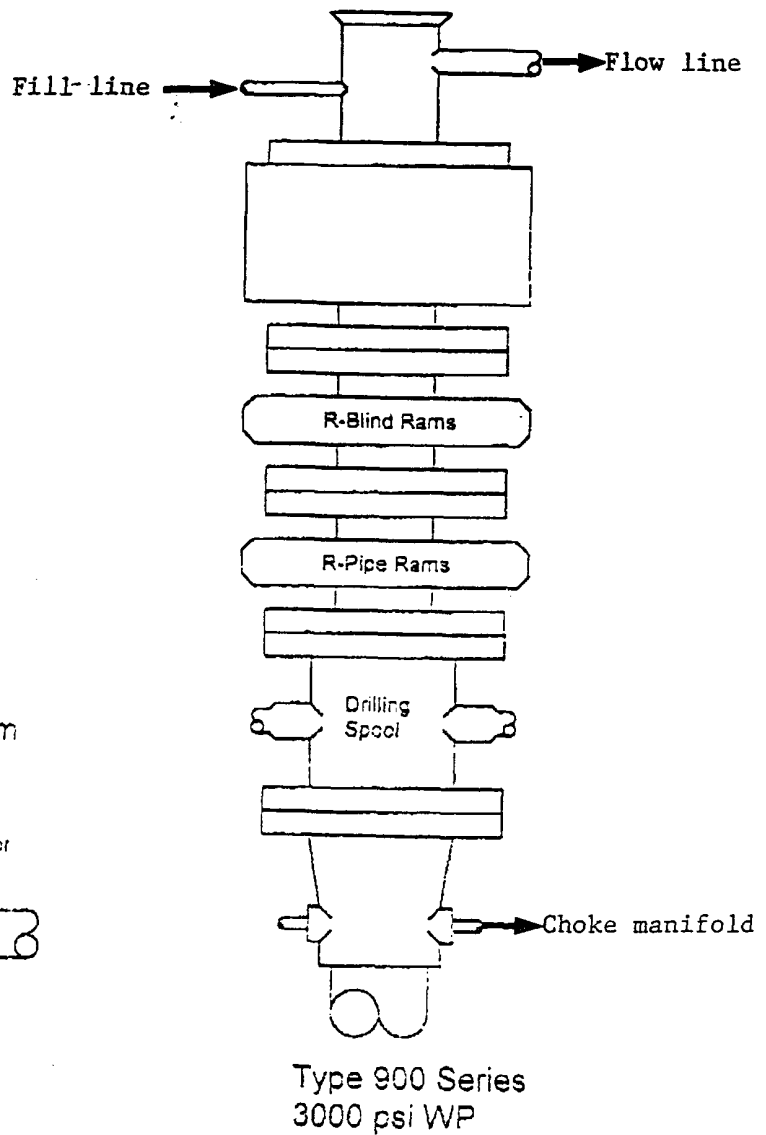
OPERATOR ARCH PETROLEUM, INC.

LEASE BAKER

U.S.G.S. TOPOGRAPHIC MAP
EUNICE, N.M.

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

BLOWOUT PREVENTER SYSTEM



Choke Manifold Assembly for 3M WP System

