

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 27142	Property Name E.C. HILL "C"	API Number 30-025-36240
		Well No. # 4

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	27	23S	37E		1260'	SOUTH	990'	WEST	LEA CO.

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						** Proposed Pool 2			
TEAGUE PADDOCK BLINEBRY (58300)									

Work Type Code N	Well Type Code O	Cable/Rotary ROTARY	Lease Type Code P	Ground Level Elevation 3286'
Multiple NO	Proposed Depth 5500'	Formation BLINEBRY	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
24"	20"	CONDUCTOR	40'	Redi-mix	Surface
12 1/4"	8 5/8"	32	1100'	775 Sx.	Surface
7 7/8"	5 1/2"	15.5	5500'	1150 Sx.	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 24" hole to 40'. Set 40" of 20" conductor pipe 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 775 Sx. of Class "C" cement + additives, circulate cement to surface.
3. Drill 7 7/8" hole to 5500'. Run and set 5500' of 5 1/2" 15.5# J-55 ST&C casing. CEment in 2 stages with DV Tool at 1500'. Cement 1st stage with 800 Sx. of Class "C" cement + additives, cement 2nd stage with 350 Sx. of Class "C" cement + additives, circulate cement to surface.

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway

Approval for Drilling ONLY -- CANNOT produce until  
Non-Standard Location approved in Santa Fe.

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> Printed name: Joe T. Janica Title: Agent Date: 03/13/03 Phone: 505-391-8503		OIL CONSERVATION DIVISION Approved by: <i>[Signature]</i> Title: PETROLEUM ENGINEER Approval Date: APR 09 2003 Expiration Date: Conditions of Approval: Attached <input type="checkbox"/>	
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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 <b>30-025-36240</b>	Pool Code 58300	Pool Name TEAGUE PADDOCK BLINEBRY
Property Code 27142	Property Name E.C. HILL "C"	Well Number 4
OGRID No. 962	Operator Name ARCH PETROLEUM, INC.	Elevation 3286'

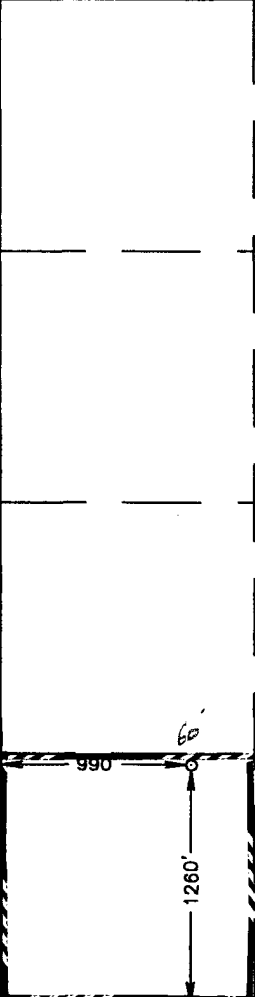
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	27	23-S	37-E		1260'	SOUTH	990'	WEST	LEA

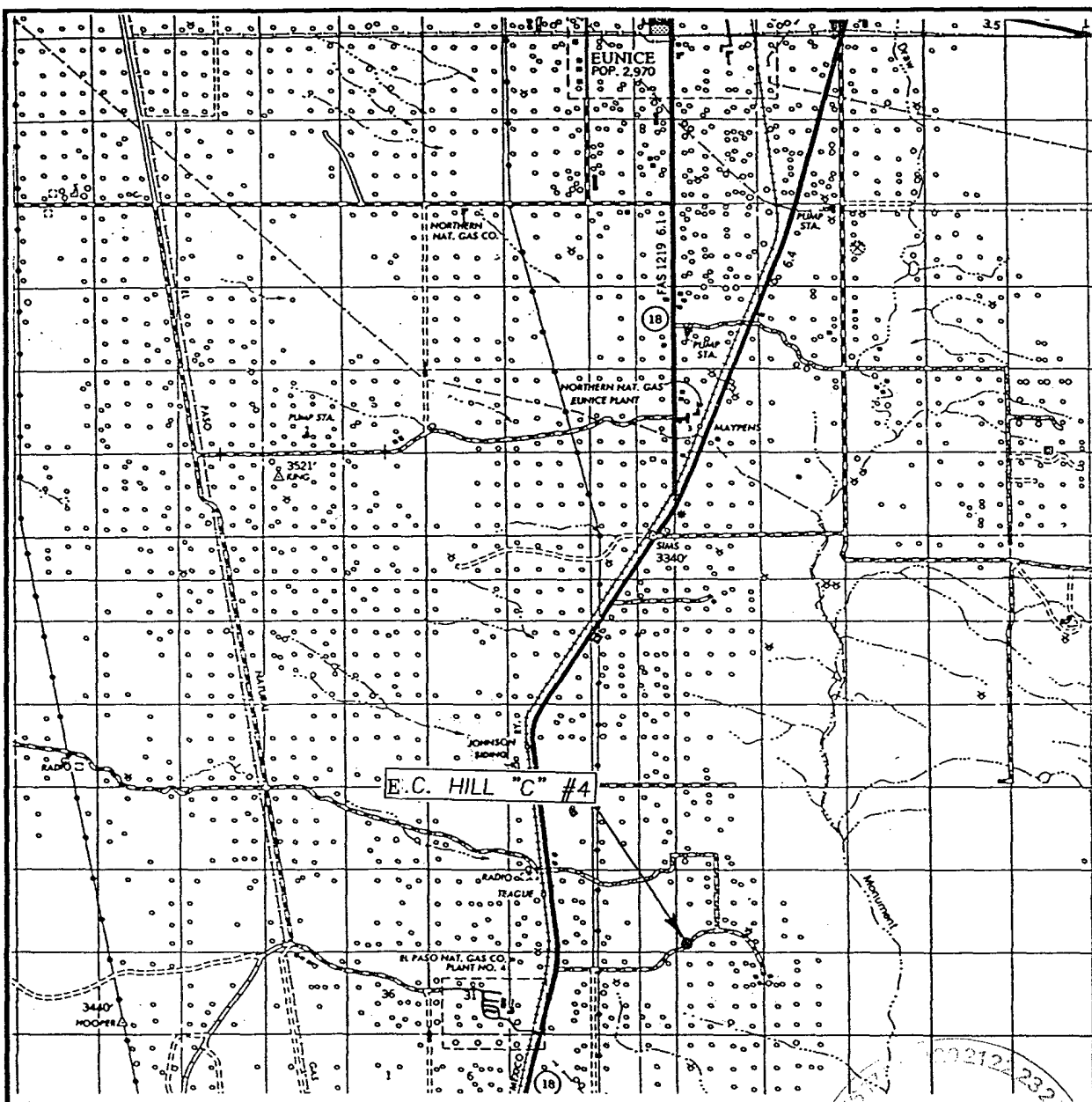
Bottom Hole Location If Different From Surface

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. <b>NSL-4855</b>						

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 = 464490.3 X = 864000.0 LAT. 32°16'17.43"N LONG. 103°09'20.42"W</p>	<p><b>OPERATOR CERTIFICATION</b></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 03/13/03 Date</p>
		<p><b>SURVEYOR CERTIFICATION</b></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>MARCH 04, 2003 Date Surveyed Signature &amp; Seal of Professional Surveyor A.W.B. 03.11.0282 Certificate No. RONALD J. KIDSON 3239 GARY KIDSON 12641</p>

# VICINITY MAP

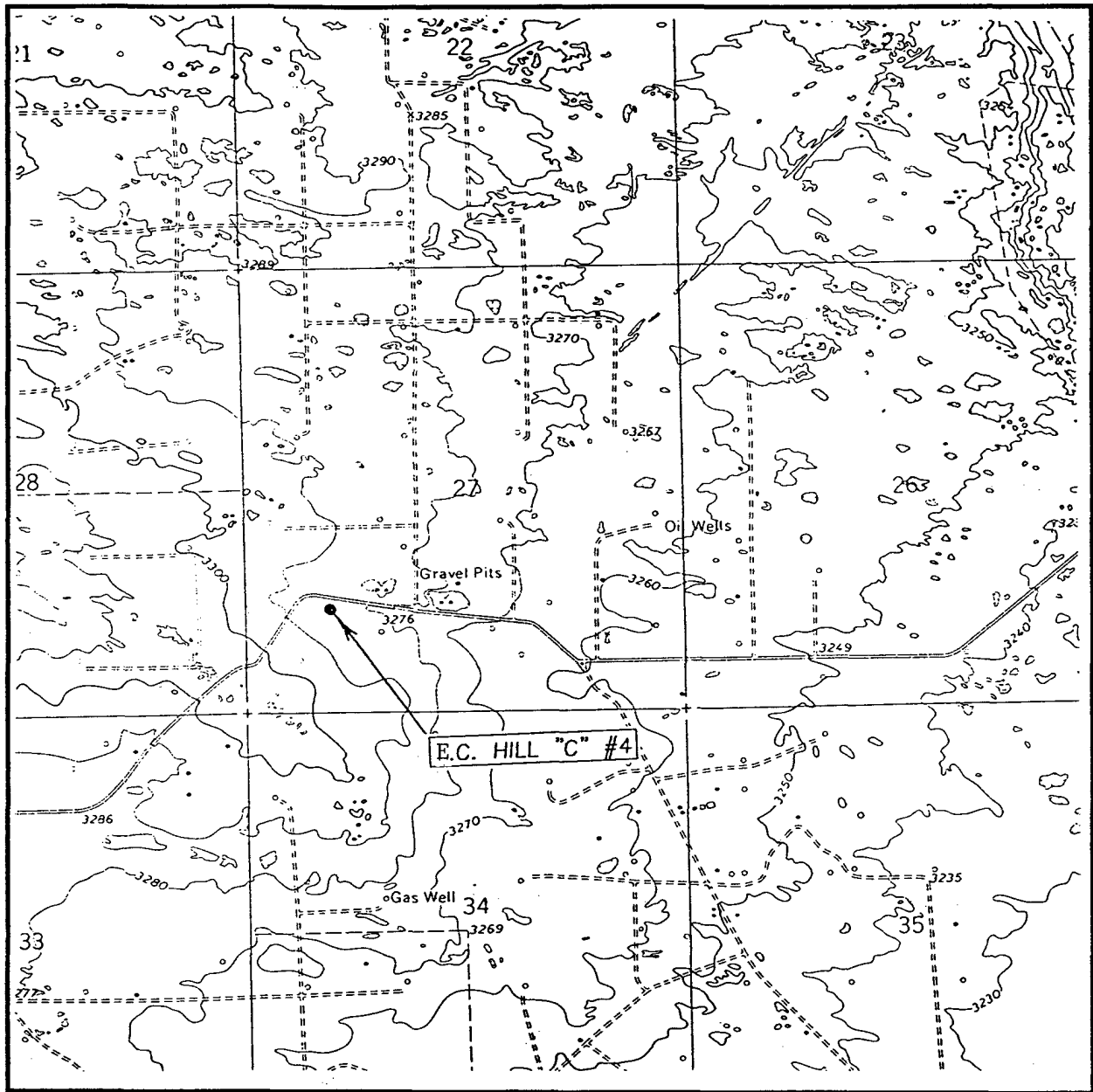


SEC. 27 TWP. 23-S RGE. 37-E  
 SURVEY N.M.P.M.  
 COUNTY LEA  
 DESCRIPTION 1260' FSL & 990' FWL  
 ELEVATION 3286'  
 OPERATOR ARCH PETROLEUM, INC.  
 LEASE E.C. HILL "C"

SCALE: 1" = 1 MILE

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

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 20'  
RATTLESNAKE CANYON, N.M.

SEC. 27 TWP. 23-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1260' FSL & 990' FWL

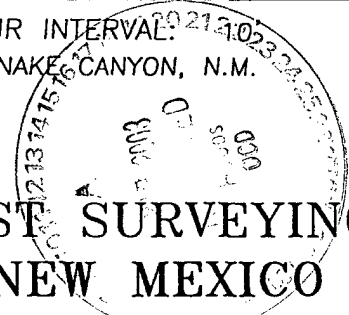
ELEVATION 3286'

OPERATOR ARCH PETROLEUM, INC.

LEASE E.C. HILL "C"

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

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



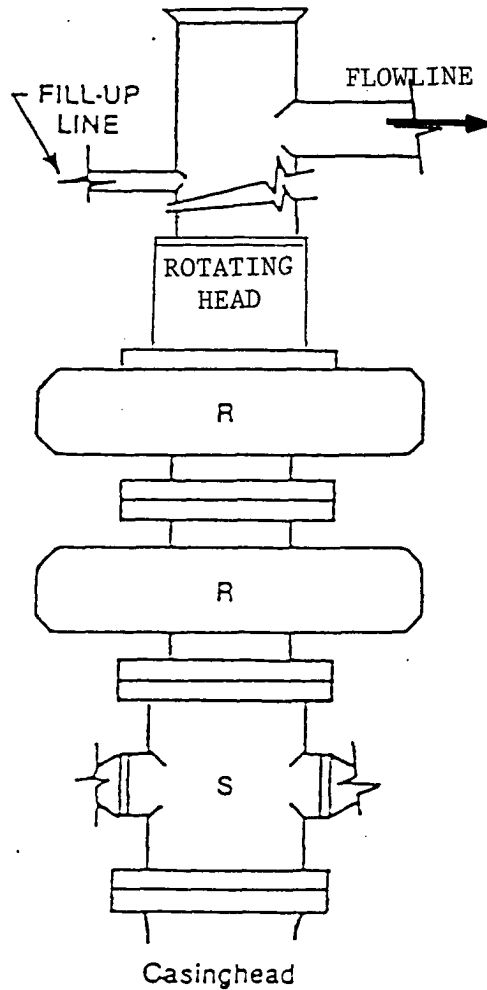
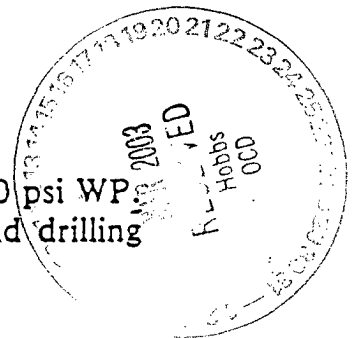


FIGURE K1-1. Recommended IADC Class 2 BOP stack, 2000 psi WP  
 Either SRd (left) or SA (right) arrangement is acceptable and drilling  
 spool is optional.



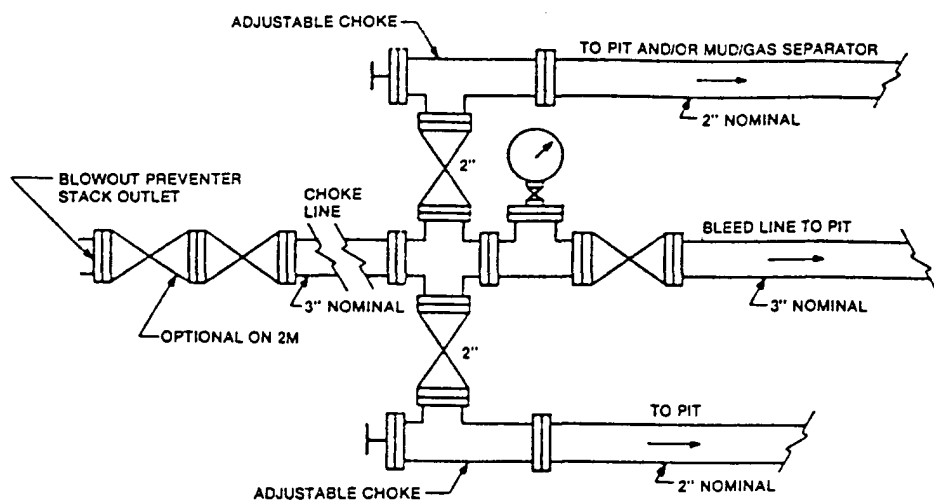


FIGURE K4-1. Typical choke manifold assembly for 2M and 3M rated working pressure service — surface installation.

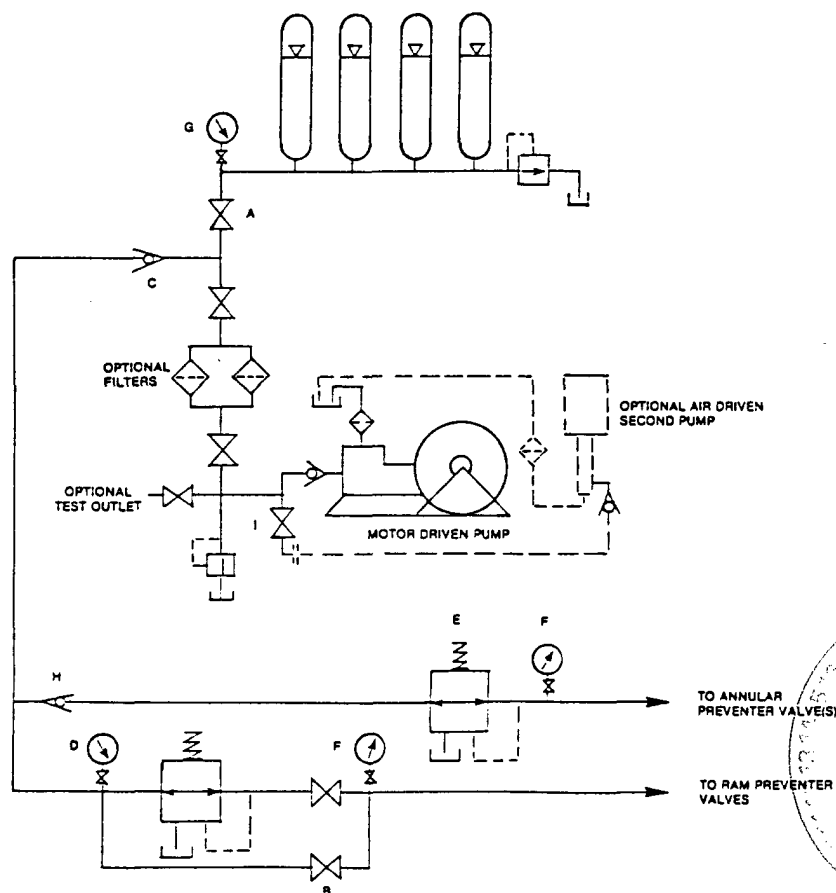


FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.