

RESUBMITTAL

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

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
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

¹ Operator Name and Address Arch Petroleum, Inc. P. O. Box 10340 Midland, TX 79702-7340		² OGRID Number 000962
³ Property Code 33464		³ API Number 30-025-3681
⁵ Property Name Kelly State		⁶ Well No. 5

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	16	23S	37E		910'	South	1230'	West	Lea

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 Langle Mattix; 7 Rvrs, Queen Grayburg (37240)						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 2000' 3315'
¹⁶ Multiple No	¹⁷ Proposed Depth 3900'	¹⁸ Formation Queen	¹⁹ Contractor Unknown	²⁰ 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
12-1/4"	8-5/8"	32	1100'	650 sks	Surface
7-7/8"	4-1/2"	11.6	3900'	750 sks	750'± FS

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.

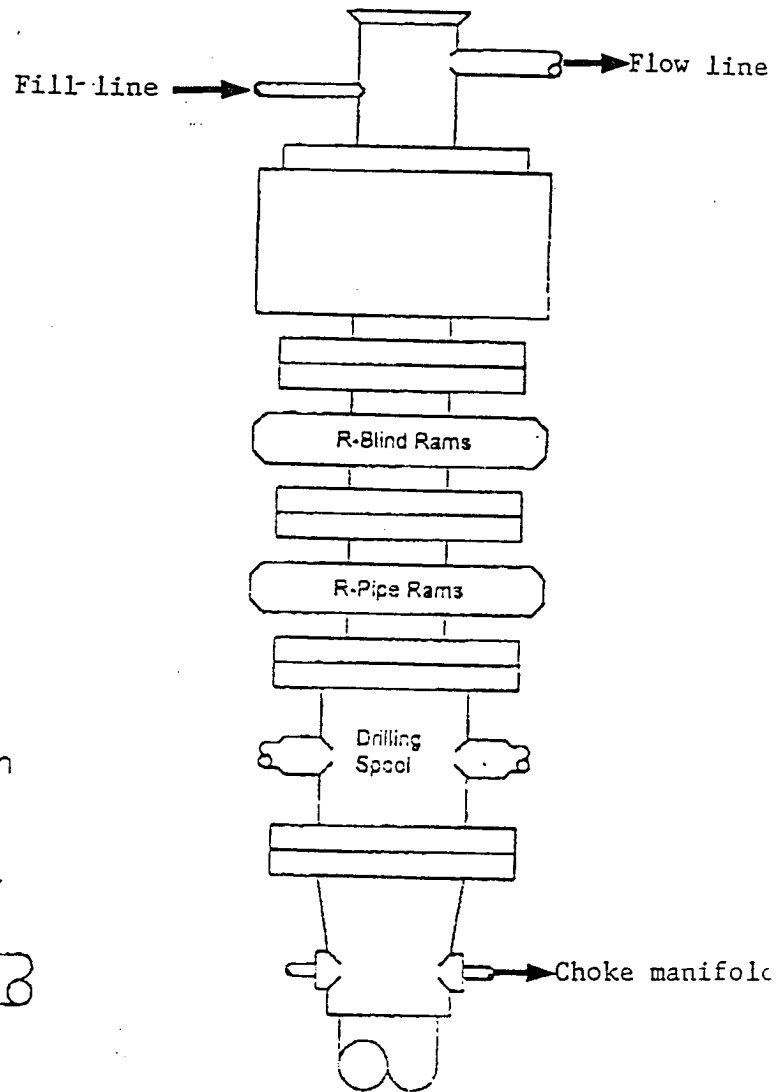
Describe the blowout prevention program, if any. Use additional sheets if necessary.

- Drill 25" hole to 40'. Set 40' of 20" conductor pipe & cmt to surface w/ Redi-mix.
- Drill 12-1/4" hole to 1100'. Run & set 1100' 8-5/8" 32# J-55 ST&C csg. Cmt w/ 650 sks CI "C" cmt + 2% CaCl₂ + 1/4# Flocele/sk. Circ cmt to surface.
- Drill 7-7/8" hole to 3900'. Run & set 3900' 4-1/2" 11.6# J-55 ST&C casing. Cmt w/ 750 sks CI "C" + add, est. TOC 750' FS.

Expires Dec 3, 2006

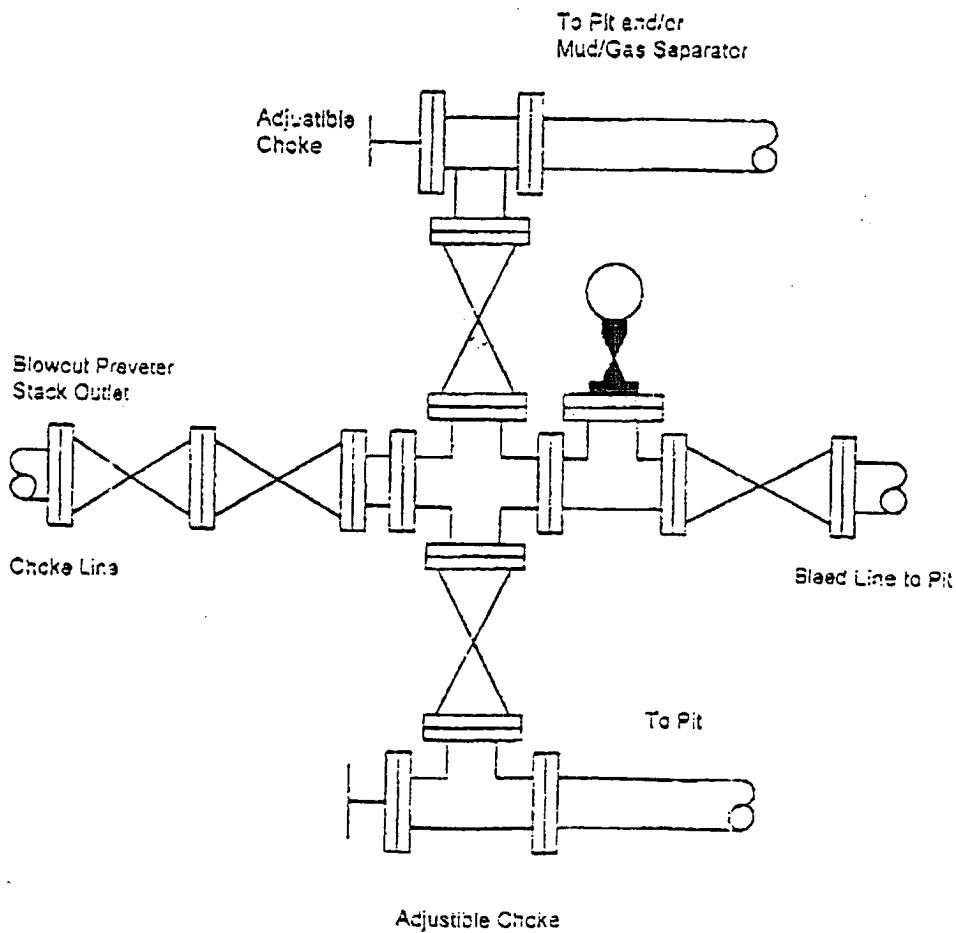
²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>Cathy Wright</i>		Approved by: <i>[Signature]</i>	
Printed name: Cathy Wright		Title: PETROLEUM ENGINEER	
Title: Sr. Engineering Tech		Approval Date: JAN 31 2006	
Date: 01/24/06	Phone: 432-685-8100	Expiration Date:	
		Attached <input type="checkbox"/>	

BLOWOUT PREVENTER SYSTEM



Type 900 Series
3000 psi WP

Choke Manifold Assembly for 3M WP System



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 30-025-36981	Pool Code 37240	Pool Name Langlie Mattix 7 Rvrs Queen
Property Code 33464	Property Name KELLY STATE	Well Number 5
OGRID No. 000962	Operator Name ARCH PETROLEUM, INC.	Elevation 3315'

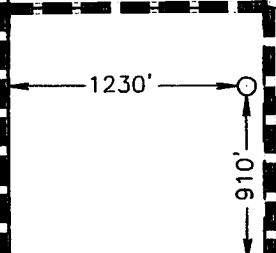
Surface Location

UL or lot No. M	Section 16	Township 23-S	Range 37-E	Lot Idn	Feet from the 910	North/South line SOUTH	Feet from the 1230	East/West line WEST	County LEA
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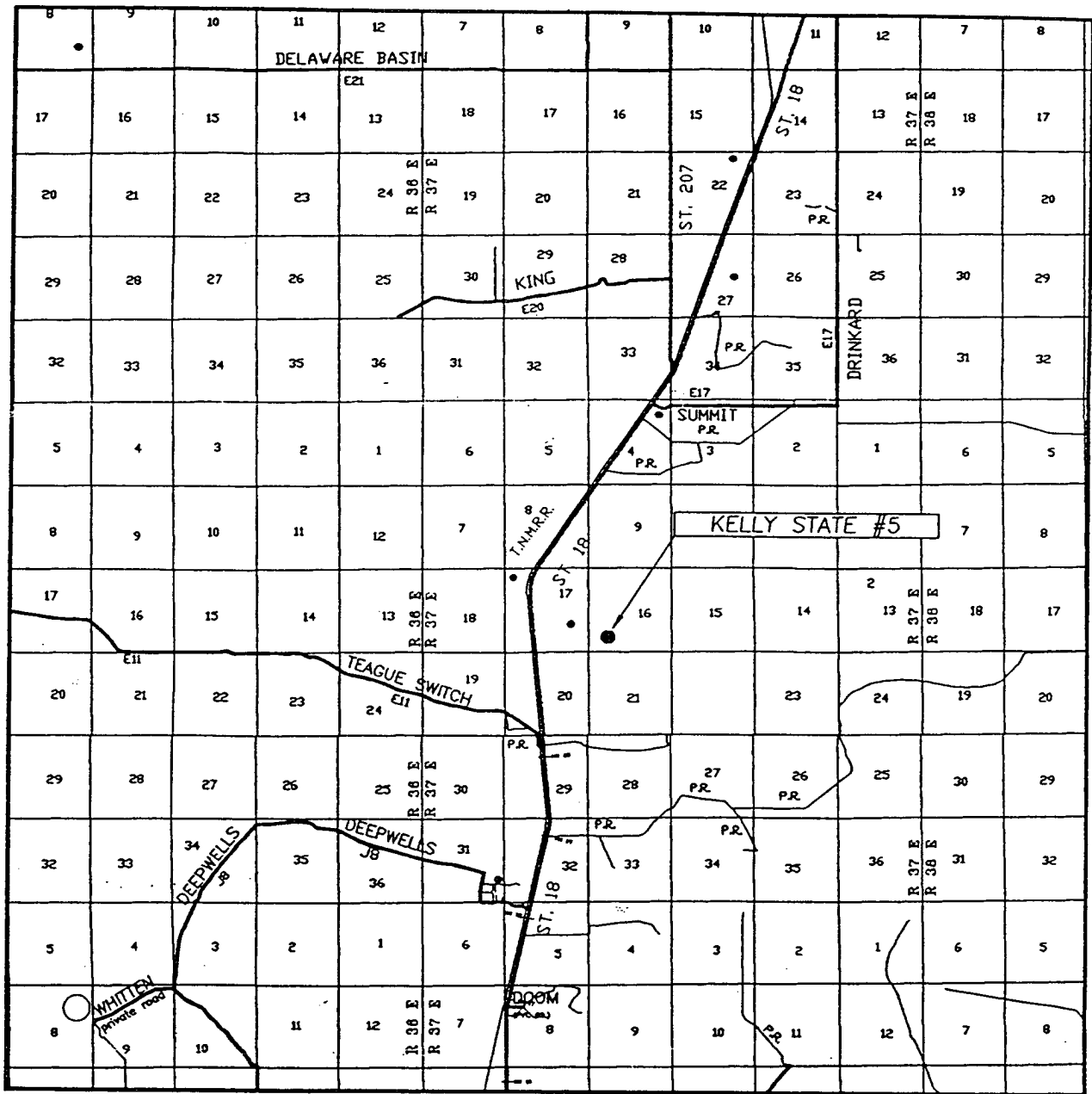
Bottom Hole Location If Different From Surface

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><u>GEODETIC COORDINATES</u> NAD 27 NME Y = 474649.4 N X = 858834.1 E LAT. 32°17'58.51"N LONG. 103°10'19.30"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>Cathy Wright</i> Signature Cathy Wright Printed Name Sr. Operation Tech Title 08/09/04 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>March 31, 2004 Date Surveyed Signature & Seal of Professional Surveyor GARY E. EMMON 04.11.0380 Certificate No. GARY EMMON 12641</p>				

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 16 TWP. 23-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 910' FSL & 1230' FWL

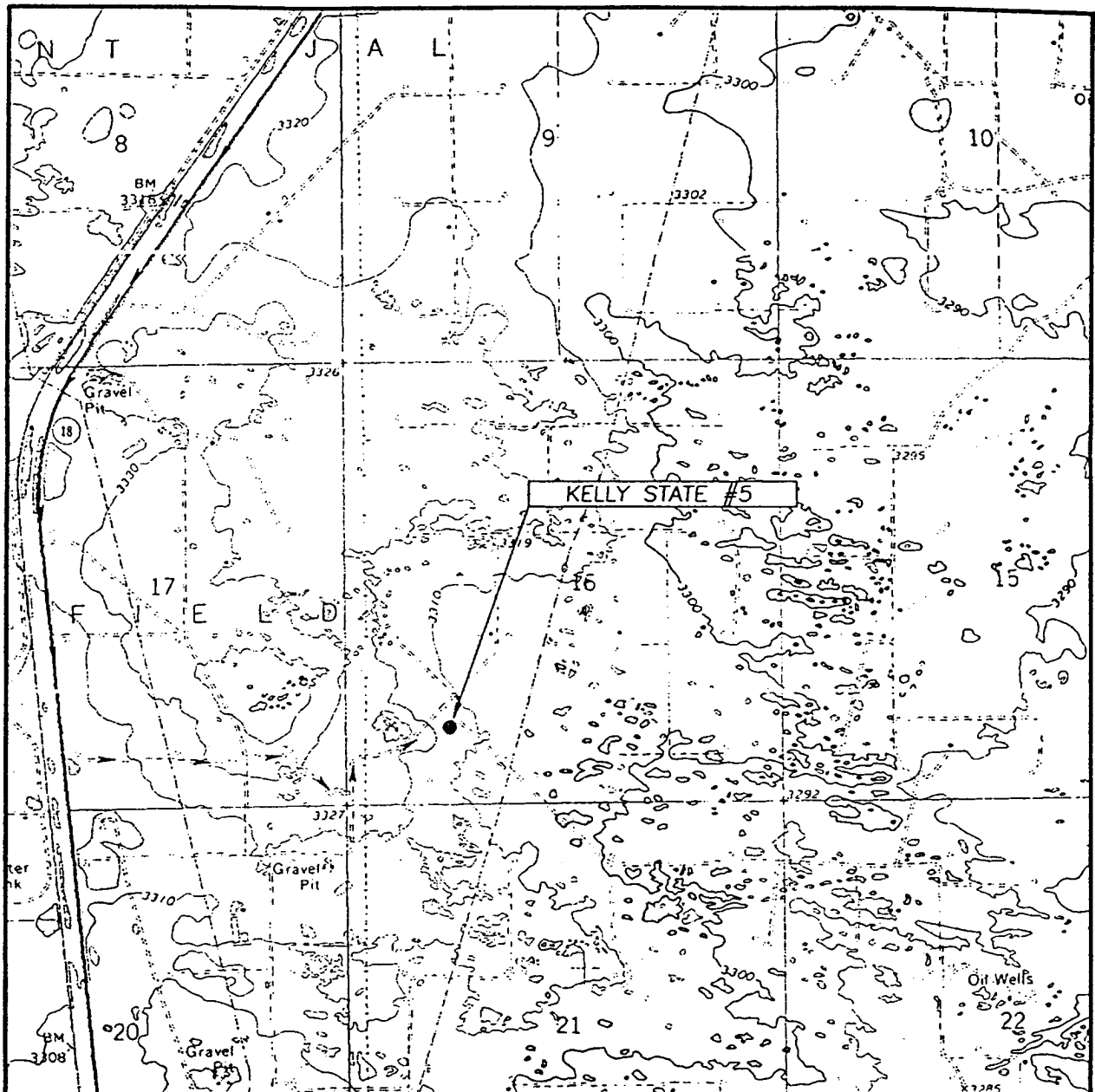
ELEVATION 3315

OPERATOR ARCH PETROLEUM, INC

LEASE KELLY STATE

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

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

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

SEC. 16 TWP. 23-S RGE. 37-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 910' FSL & 1230' FWL

ELEVATION 3315'

OPERATOR ARCH PETROLEUM, INC.

LEASE KELLY STATE

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

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