

1000 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Artesia, 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		962 OGRD Number
30-025-35444 API Number		
16233 Permit No.	E.C. HILL "A" Property Name	8 Well No.

Surface Location

UT or lot no.	Section	Township	Range	Lot	Feet from the	North/South line	Feet from the	East/West line	County
J	27	23S	37E		1980'	SOUTH	2310'	EAST	LEA

Proposed Bottom Hole Location If Different From Surface

UT or lot no.	Section	Township	Range	Lot	Feet from the	North/South line	Feet from the	East/West line	County

TEAGUE-SIMPSON (58900) Proposed Pool 1	Proposed Pool 2
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Work Type Code N	Well Type Code O	Casing Rotary ROTARY	Lease Type Code P	Ground Level Elevation 3269'
Multiple NO	Proposed Depth 9800'	Formation SIMPSON	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'	Radi-mix	SURFACE
17 1/2"	13 3/8"	54.5	1100'	1200 Sx.	SURFACE
* 8 1/2"	7"	26	7950'	1000 Sx.	3000'±
* 6 1/8"	5"	18	9800'	300 Sx.	7000'
* 7 7/8"	5 1/2"	20 & 17	9800'	1150 Sx.	2900'

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 Radi-mix.
2. Drill 17 1/2" hole to 1100'. Run and set 1100' of 13 3/8" 54.5# J-55 ST&C casing. Cement with 1200 Sx. of Class "C" cement + additives, circulate to surface.
3. Drill 12 1/4" hole to 3100'. Run and set 3100' of 9 5/8" 40.5# J-55 ST&C casing. Cement with 1200 Sx. of Class "C" cement + additives, circulate cement to surface.
- *** 4. Drill 8 1/2" hole to 7950' if lost circulation becomes a problem set 7" 26# N-80 ST&C casing through problem zones. Cement in two stages with DV tool at 4500', cement with 1000 Sx. of Class "H" then drill out with a 6 1/8" hole to 9800' and run a 5" liner from 9800' to 7000' and cement with 300 Sx. of Class "H" low water loss cement. If no lost circulation problems are encountered on reaching 7950' reduce hole size to 7 7/8" and drill to 9800'. Run and set 9800' of 5 1/2" 17 & 20# N-80 LT&C casing. Cement placing DV tools at 7000'± & 4500'±, first stage cement with 500 Sx. of Class "H" low waterloss cement, second stage cement with 450 Sx. of Class "H" Halco Light, third stage cement with 200 Sx. of Class "C" Halco Light + additives. Estimate top of cement 2900'.

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:	
Printed name: Joe T. Janica		Title:	
Title: Agent		Approval Date: MAR 06 2001	
Date: 03/06/01		Expiration Date:	
Phone: 505-391-8503		Conditions of Approval:	

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., Artec, 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 30-025-35444		Pool Code 58900	Pool Name TEAGUE-SIMPSON	
Property Code 16233	Property Name E.C.HILL "A"		Well Number 8	
OGRID No. 962	Operator Name ARCH PETROLEUM, INC.		Elevation 3271'	

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	27	23-S	37-E		1980	SOUTH	2310	EAST	LEA

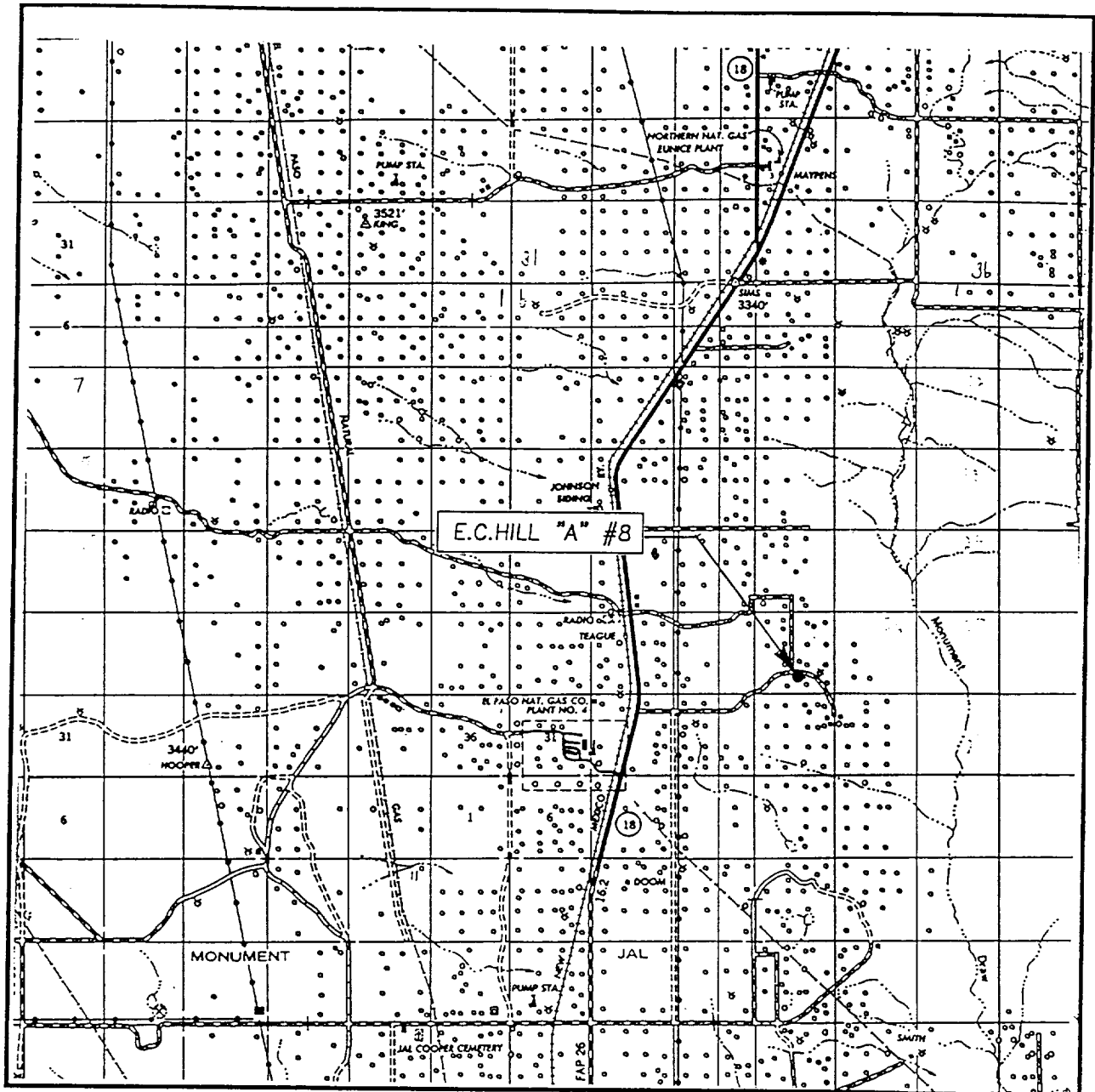
Bottom Hole Location If Different From Surface

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

				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 03/06/01 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. FEBRUARY 27, 2001 Date Surveyed AWB Signature & Seal of Professional Surveyor 01-11-0291 Certificate No. RONALD J. EDSON 3239 GARY EDSON 12641	

VICINITY MAP

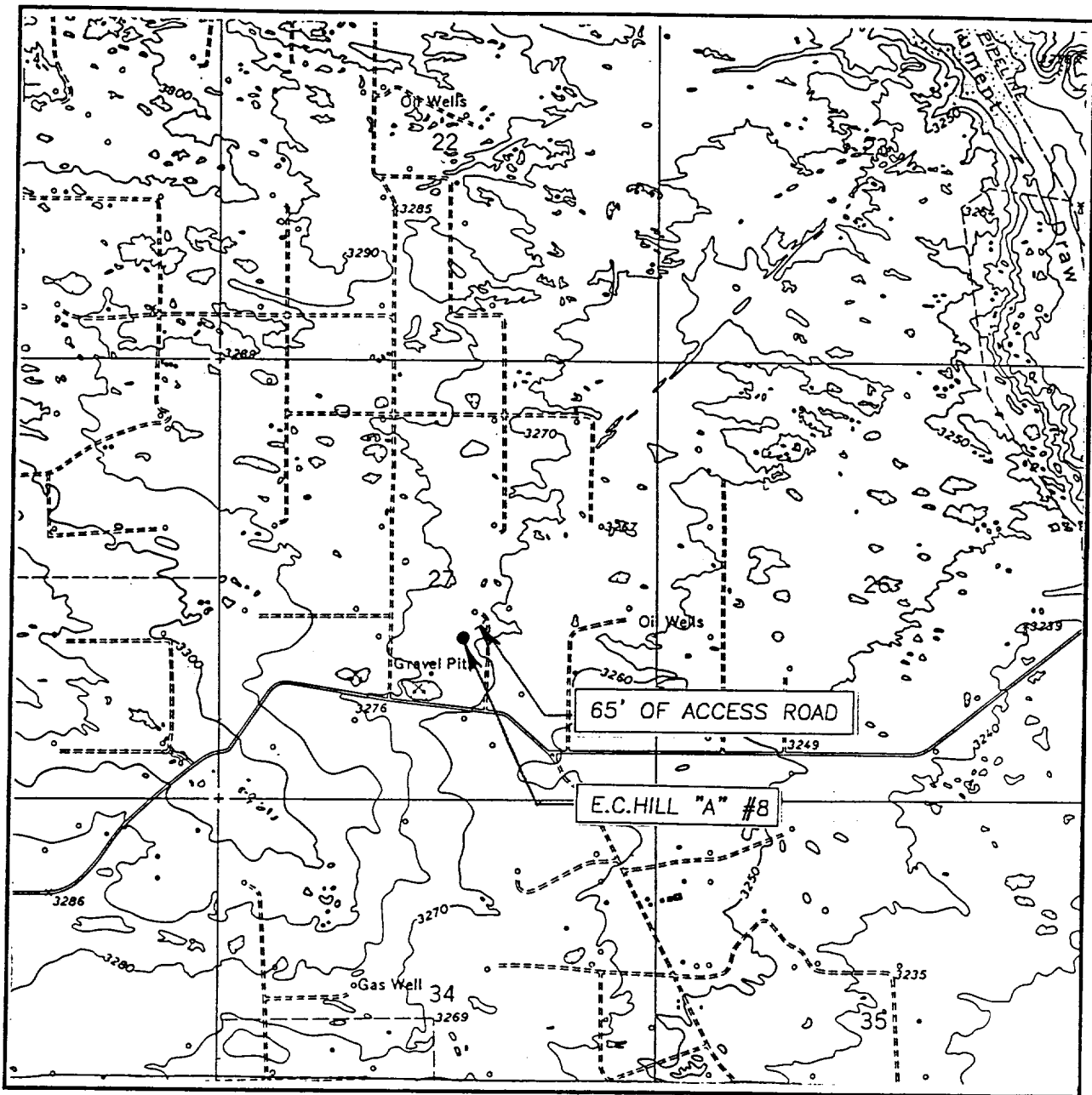


SCALE: 1" = 2 MILES

SEC. 27 TWP. 23-S RGE. 37-E
 SURVEY N.M.P.M.
 COUNTY LEA
 DESCRIPTION 1980' FSL & 2310' FEL
 ELEVATION 3271'
 OPERATOR ARCH PETROLEUM, INC.
 LEASE E.C. HILL "A"

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

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

RATTLESNAKE CAYON, N.M.

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

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1980'FSL & 2310'FEL

ELEVATION 3271'

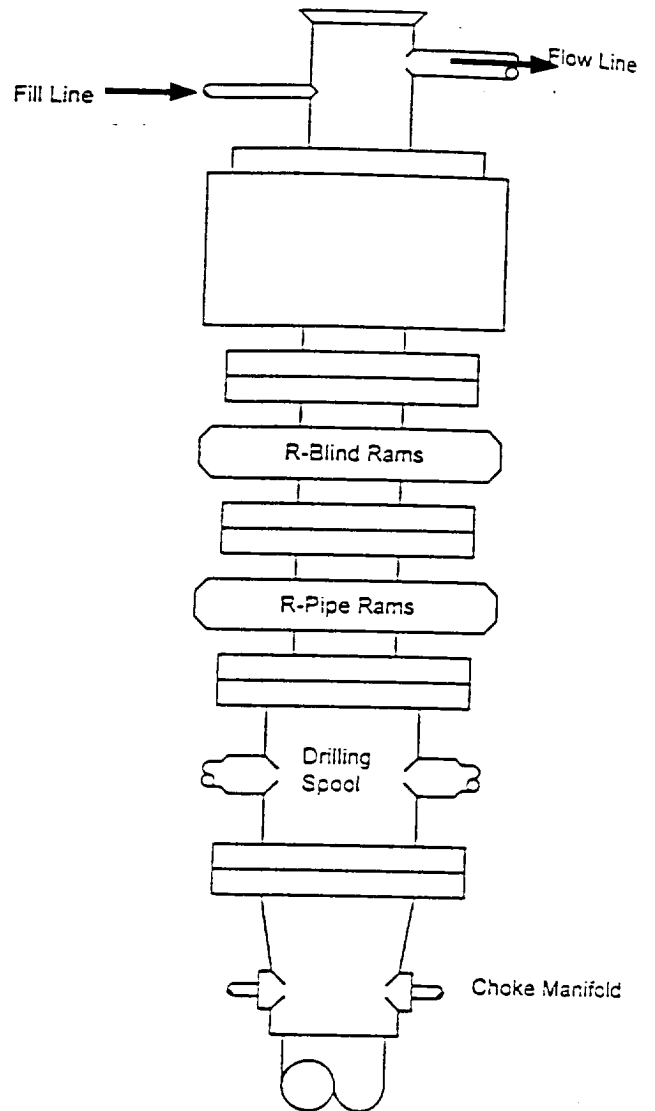
OPERATOR ARCH PETROLEUM, INC.

LEASE E.C.HILL "A"

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

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

BLOWOUT PREVENTER SYSTEM



Type 900 Series
3000 psi WP

Choke Manifold Assembly for 3M WP System

