

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 TEAGUE PADDOCK BLINEBRY (58300)					Proposed Pool 2				

Work Type Code N	Well Type Code O	Cable/Rotary ROTARY	Lease Type Code P	Ground Level Elevation 3286'
Multiple NO	Proposed Depth 5500'	Permanence BLINEBRY	Contractor UNKNOWN	Spud Date WHEN APPROVED

Proposed Casing and Cement Program

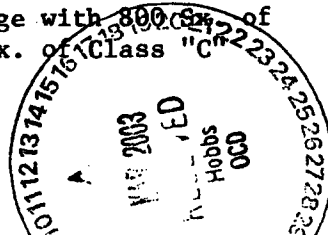
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
24"	20"	CONDUCTOR	40'	Redi-mix	Surface
12 1/2"	8 5/8"	32	1100'	775 Sx.	Surface
7 7/8"	5 1/2"	15.5	5500'	1150 Sx.	Surface

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 1/2" 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: 03/09/2003 Conditions of Approval: Attached ☐	
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DISTRICT I
P.O. Box 1888, Hobbs, NM 88241-1888

DISTRICT II
P.O. Drawer 110, 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 30-025-36240	Pool Code 58300	Pool Name TEAGUE PADDOCK BLINEBRY
Property Code 27142	Property Name E.C. HILL "C"	Well Number 4
OGRIID No. 962	Operator Name ARCH PETROLEUM, INC.	Elevation 3286'

Surface Location

UL or lot No. M	Section 27	Township 23-S	Range 37-E	Lot Idn	Feet from the 1260'	North/South line SOUTH	Feet from the 990'	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
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Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No. NSL-4855
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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

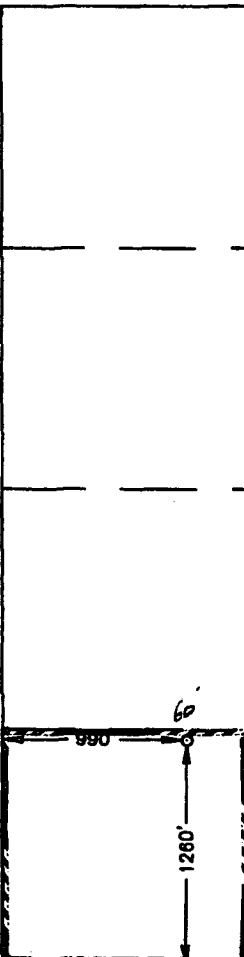
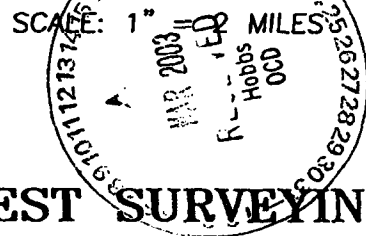
	GEODETIC COORDINATES NAD 27 NME Y = 464490.3 X = 864000.0 LAT. 32°16'17.43"N LONG. 103°09'20.42"W	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. <i>Joe T. Janica</i> Signature Joe T. Janica Printed Name Agent Title 03/13/03 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. MARCH 04, 2003 Date Surveyed ROYAL L. KIDSON Signature ROYAL L. KIDSON Printed Name 03.11.026 Date ROYAL L. KIDSON Certificate No. 12641

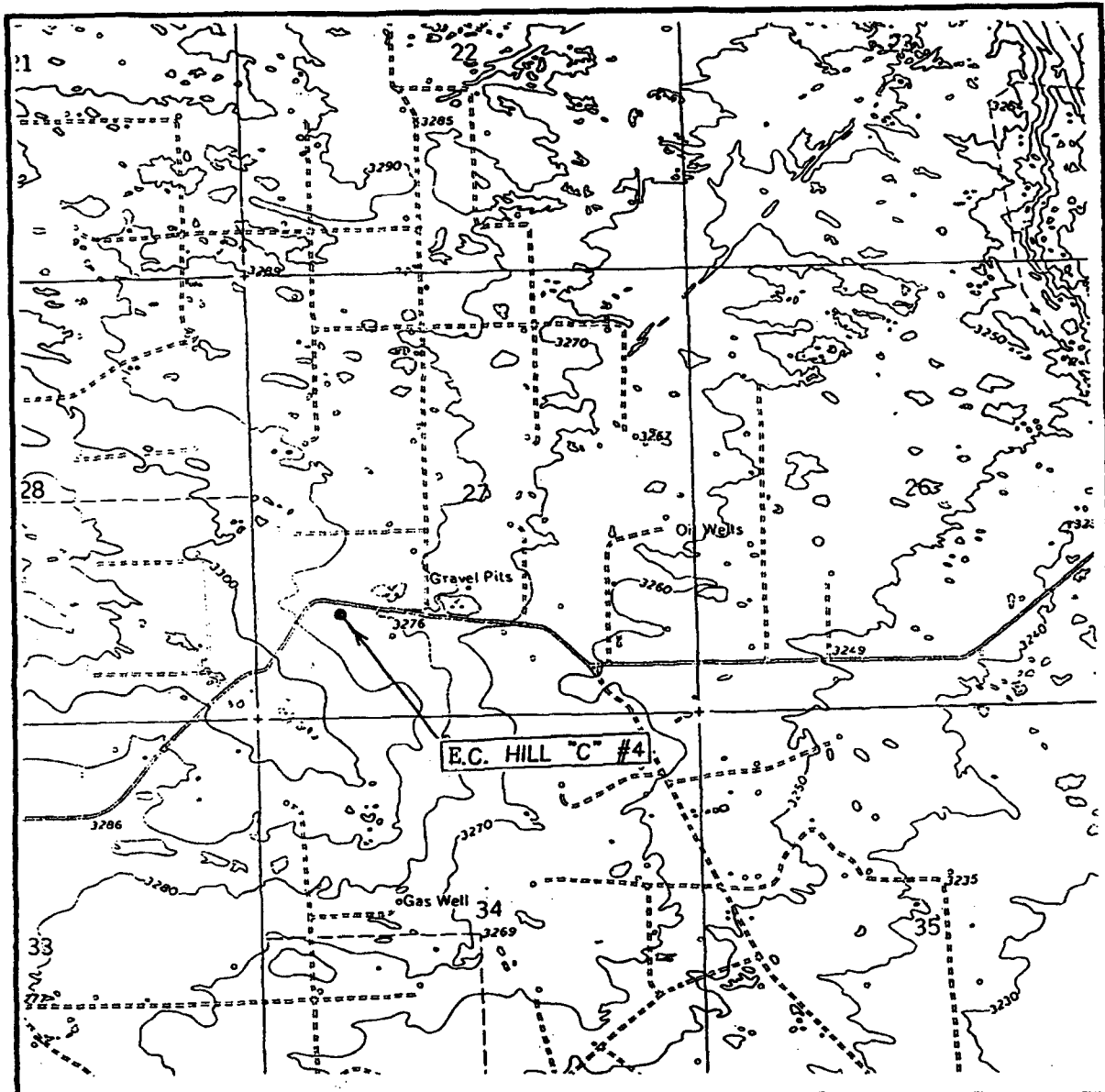
PLATE 1



LEASE E.C. HILL "C"

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

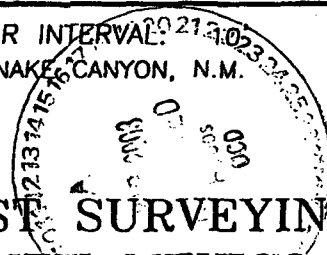
ELEVATION 3286'

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



DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO. 30-025-36240
Indicate Type of Lease STATE ☐ FEE ☒
State Oil & Gas Lease No.
Lease Name or Unit Agreement Name E. C. Hill "C"
Well No. 4
Pool name or Wildcat Teague Paddock Blinbry

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐	CONFIDENTIAL
Name of Operator Arch Petroleum Inc.	
Address of Operator P. O. Box 10340, Midland, TX 79702-7340	
Well Location Unit Letter M : 1260 Feet From The South Line and 990 Feet From The West Line Section 27 Township 23S Range 37E NMPM Lea County	
Elevation (Show whether DF, RKB, RT, GR, etc.) 3286'	

11 Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☒	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐		CASING TEST AND CEMENT JOB ☐	
OTHER: ☐		OTHER: ☐	

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Spud & Set Surface Csg - MIRU Cap Star #14. Spud well @ 16:30 hrs 04/10/03. Drld 12-1/4" hole to 112'. TD reached @ 16:00 hrs 04/11/03. Ran 26 jts 8-5/8" 32# J-55 ST&C csg. BJ cmt'd w/ 450 sks 35:65 POZ C @ 12.8 ppg followed by 200 sks Cl "C" + 2% CaCl2 @ 14.8 ppg. Plug down @ 22:15 hrs 04/11/03. Circ 85 sks to surface. WOC 16-1/2 hrs. Make cut-off. Well on WH. NU BOP's & test ok.

TD & Production Csg - Drld 7-7/8" hole to 5500'. TD reached @ 16:00 hrs 04/19/03. Ran 125 jts 5-1/2" 15.5# J-55 LT&C csg. BJ cmt'd 1st stage w/ 500 sks Cl "C" + additives @ 14.8 ppg. Circ 135 sks to surface. Cmt'd 2nd stage w/ 715 sks 35:65 POZ C @ 12.6 ppg followed by 200 sks Cl "C" + 2% CaCl2 @ 14.09 ppg. Circ 100 sks to surface. CBL ran 04/23/03.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Cathy Tomberlin TITLE Sr. Operation Tech DATE 05/14/03

TYPE OR PRINT NAME Cathy Tomberlin (915)685-8100 TELEPHONE NO.

(This space for State Use)

APPROVED BY [Signature] TITLE PETROLEUM ENGINEER DATE MAY 21 2003

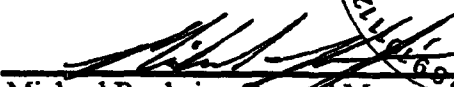
CONDITIONS OF APPROVAL, IF ANY:

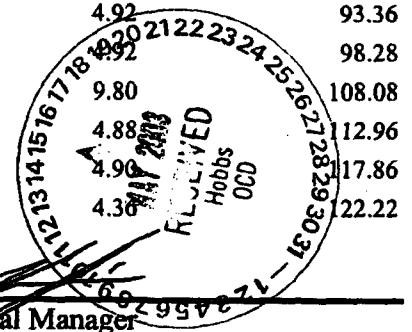
Arch Petroleum Inc
Pogo Producing Company
P.O. Box 10340
Midland, TX 79702-7340

E.C. Hill "C" #4
Lea County, New Mexico

m-27-23s-37e
1260/s & 990/w
30-025-36240
CONFIDENTIAL

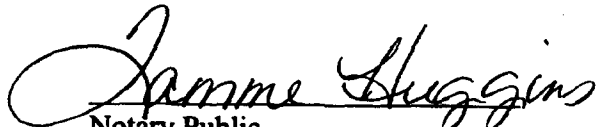
229	2.29	3/4	1.31	3.01	3.01
473	2.44	1	1.75	4.27	7.28
715	2.42	1	1.75	4.24	11.51
960	2.45	3/4	1.31	3.22	14.73
1086	1.26	1	1.75	2.21	16.93
1370	2.84	3/4	1.31	3.73	20.66
1652	2.82	1 1/2	2.63	7.40	28.06
1932	2.80	2 1/4	3.94	11.03	39.09
2025	0.93	3 1/4	5.69	5.29	44.38
2119	0.94	3 1/4	5.69	5.35	49.72
2213	0.94	2 1/2	4.38	4.11	53.83
2334	1.21	2 1/4	3.94	4.76	58.60
2458	1.24	2 1/4	3.94	4.88	63.48
2646	1.88	1 1/4	2.19	4.11	67.59
2926	2.80	3/4	1.31	3.68	71.27
3206	2.80	1	1.75	4.90	76.17
3486	2.80	1 1/4	2.19	6.13	82.29
3767	2.81	1 1/4	2.19	6.15	88.44
4048	2.81	1	1.75	4.92	93.36
4329	2.81	1	1.75	4.92	98.28
4609	2.80	2	3.50	9.80	108.08
4888	2.79	1	1.75	4.88	12.96
5168	2.80	1	2	4.90	17.86
5500	3.32	3/4	1	4.36	22.22


Michael Roghair - General Manager



The attached instrument was acknowledged before me on the 23rd day of April, 2003 by Michael Roghair - General Manager, CapStar Drilling, L.P.




Notary Public



District I
PO Box 1980, Hobbs, NM 88240-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Bravo Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-104
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address Arch Petroleum Inc. P. O. Box 10340 Midland, TX 79702-7340		OGRID Number 000962
		Reason for Filing Code NW
API Number 30 - 0 25-36240	Pool Name Teague Paddock Blinebry	Pool Code 58300
Property Code 27142	Property Name E. C. Hill "C" CONFIDENTIAL	Well Number 4

II. ¹⁰ 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

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Law Code P	Producing Method Code Pump	Gas Connection Date 05/01/03	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
007440	EOTT Operating L.P. P. O. Box 1188 Houston, TX 77252	1928310	0	M/27/23S/37E E. C. Hill C Battery
020809	Sid Richardson 201 Main Street Ft. Worth, TX 76102	1928330	G	M/27/23S/37E E. C. Hill C Battery

IV. Produced Water

POD	POD ULSTR Location and Description

V. Well Completion Data

Spud Date	Ready Date	TD	FSTD	Perforations
04/10/03	05/01/03	5500	5454	5852-67
Hole Size	Casing & Tubing Size	Depth Set	Setting Cement	
12-1/4	8-5/8	1112	650 sks	
7-7/8	5-1/2	5500	1415 sks	
	2-3/8	5378		

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Tbg. Pressure	Cog. Pressure
05/01/03	05/01/03	05/08/03	24 hrs	---	---
Choke Size	Oil	Water	Gas	AOF	Test Method
---	20	8	29		Pump

"I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief."

Signature: *Cathy Tomberlin*
Printed name: Cathy Tomberlin

Title: Sr. Operation Tech

Date: 05/14/03 Phone: 915-685-8100

OIL CONSERVATION DIVISION

Approved by: *[Signature]*
Title: PETROLEUM ENGINEER

Approval Date: MAY 21 2003

"If this is a change of operator fill in the OGRID number and name of the previous operator"

Previous Operator Signature Printed Name Title Date

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

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-105
Revised 1-1-89

WELL API NO.	30-025-36240
5. Indicate Type of Lease	STATE ☐ FEE ☒
6. State Oil & Gas Lease No.	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____	7. Lease Name or Unit Agreement Name E. C. Hill "C"
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER _____	8. Well No. 4
2. Name of Operator Arch Petroleum Inc.	9. Pool name or Wildcat Teague Paddock Blinebry
3. Address of Operator P. O. Box 10340, Midland, TX 79702-7340	

4. Well Location Unit Letter <u>M</u> : <u>1260</u> Feet From The <u>South</u> Line and <u>990</u> Feet From The <u>West</u> Line Section <u>27</u> Township <u>23S</u> Range <u>37E</u> NMPM <u>Lea</u> County

10. Date Spudded 04/10/03	11. Date T.D. Reached 04/19/03	12. Date Compl. (Ready to Prod.) 05/01/03	13. Elevations (DF & RKB, RT, GR, etc.) 3286	14. Elev. Casinghead 3287
15. Total Depth 5500	16. Plug Back T.D. 5454	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0-5500	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name Blinebry 5352-67				20. Was Directional Survey Made No
21. Type Electric and Other Logs Run GR/CCL CNLI				22. Was Well Cored No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8	32	1112	12-1/4	650 sks	
5-1/2	15.5	5500	7-7/8	1415 sks	

24. LINER RECORD	25. TUBING RECORD
SIZE TOP BOTTOM SACKS CEMENT SCREEN	SIZE DEPTH SET CRACKER SET
	2-3/8 5378

26. Perforation record (interval, size, and number) 5352-67 (2 spf)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 5352-67 Addz w/ 1000 gals 15% acid Frac w/ 42,000# 16/30 Ottawa sand
--	---

28. PRODUCTION							
Date First Production 05/01/03		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping				Well Status (Prod. or Shut-in) Producing	
Date of Test 05/08/03	Hours Tested 24	Choke Size ---	Prod'n For Test Period	Oil - Bbl. 20	Gas - MCF 29	Water - Bbl. 8	Gas - Oil Ratio 1450:1
Flow Tubing Press. ---	Casing Pressure ---	Calculated 24-Hour Rate	Oil - Bbl. 20	Gas - MCF 29	Water - Bbl. 8	Oil Gravity - API - (Corr.) 42.0	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold	Test Witnessed By Fernando Espino
--	--------------------------------------

30. List Attachments C-104, Sundry, Deviation Survey, Log
--

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Cathy Tomberlin Printed Name Cathy Tomberlin Title Sr. Oper. Tech Date 05/14/03

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico			Northwestern New Mexico		
T. Anhy	1038	T. Canyon	T. Ojo Alamo	T. Penn. "B"	
T. Salt	1090	T. Strawn	T. Kirdland-Fruitland	T. Penn. "C"	
B. Salt	2292	T. Atoka	T. Pictured Cliffs	T. Penn. "D"	
T. Yates	2353	T. Miss	T. Cliff House	T. Leadville	
T. 7 Rivers	2742	T. Devonian	T. Menefee	T. Madison	
T. Queen	3006	T. Silurian	T. Point Lookout	T. Elbert	
T. Grayburg	3552	T. Montoya	T. Mancos	T. McCracken	
T. San Andres	3780	T. Simpson	T. Gallup	T. Ignacio Otzte	
T. Glorieta	4932	T. McKee	Base Greenhorn	T. Granite	
T. Paddock	5105	T. Ellenburger	T. Dakota	T.	
T. Blinbry	5289	T. Gr. Wash	T. Morrison	T.	
T. Tubb		T. Delaware Sand	T. Todilto	T.	
T. Drinkard		T. Bone Springs	T. Entrada	T.	
T. Abo		T.	T. Wingate	T.	
T. Wolfcamp		T.	T. Chinle	T.	
T. Penn		T.	T. Permian	T.	
T. Cisco (Bough C)		T.	T. Penn "A"	T.	

OIL OR GAS SANDS OR ZONES

No. 1, from.....5350.....to.....5370.....
 No. 2, from.....5190.....to.....5225.....
 No. 3, from.....to.....
 No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
Surf	1038		sand-sh				
1038	1090		anhy				
1090	2292		salt, anhy				
2292	3006		anhy, dolo				
3006	3552		dolo, anhy, ss				
3552	5289		dolo, anhy, shale				

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
March 4, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-36240
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name E. C. Hill "C"
8. Well Number 4
9. OGRID Number 000962
10. Pool name or Wildcat Teague Paddock Blinbry

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
Arch Petroleum Inc.

3. Address of Operator
P. O. Box 10340, Midland, TX 79702-7340

4. Well Location

Unit Letter M : 1260 feet from the South line and 990 feet from the West line
Section 27 Township 23S Range 37E NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3286'

Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attached)

Pit Location: UL Sect Twp Rng Pit type Depth to Groundwater Distance from nearest fresh water well

Distance from nearest surface water Below-grade Tank Location UL Sect Twp Rng ;
feet from the line and feet from the line

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Add Pay ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

05/25/04 POH w/ rods, pump & tbg. Set CIBP @ 5310'. Perf Paddock 5160-80 w/ 2 spf.
05/26/04 Acdz Paddock w/ 1000 gals 15% acid. Swab.
05/28/04 Frac w/ 45,000# 20/40 Ottawa + 25,000# 20/40 SLC. Swab.
06/08/04 Well returned to production.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Cathy Wright

TITLE Sr. Operation Tech
wrightc@pogoproducting.com

DATE 06/14/04

Type or print name Cathy Wright

E-mail address:

Telephone No. 432-685-8100

(This space for State use)

APPROVED BY Hayden Wink

TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER

DATE

JUN 22 2004

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 ResourcesOil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505Form C-101
March 4, 2004Submit 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 27142		⁴ API Number 30-025-36240
⁵ Property Name E. C. Hill "C"	⁶ Well No. 4	

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	27	23S	37E		1260	South	990	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 Langlife Mattix 7 Rvrs Q Grayburg (37240)					¹⁰ Proposed Pool 2				

Drilling Pit Location and Other Information

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Depth to ground water			Distance from nearest fresh water well			Distance from nearest surface water			
¹¹ Well Type Code P		¹² Well Type Code 0		¹³ Cable/Rotary		¹⁴ Lease Type Code P		¹⁵ Ground Level Elevation 3286	
¹⁶ Multiple No		¹⁷ Proposed Depth		¹⁸ Formation 7 Rvrs Q		¹⁹ Contractor		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
12-1/4	8-5/8	32	1112	650	
7-7/8	5-1/2	15.5	5500	1415	
	2-3/8		5378		

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.

SEE ATTACHED.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒ a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature:

Cathy Wright

Printed name: Cathy Wright

Title: Sr. Operation Tech

E-mail Address: wrightc@pogoproducing.com

Date:

08/04/04

Phone:

432-685-8100

OIL CONSERVATION DIVISION

Approved by:

Chris Williams

Title:

OC DISTRICT SUPERVISOR/GENERAL MANAGER

Approval Date:

AUG 11 2004

Expiration Date:

Conditions of Approval:

If gas well, well will be shut in until NSL received for gas location

Arch Petroleum Inc.
E. C. Hill C #4
M/27/23S/37E
Lea County, NM
30-025-36240

Arch Petroleum Inc. respectfully request permission to plugback the E. C. Hill C #4 from the Teague Paddock Blinbry to the Langlie Mattix 7 Rvrs Q Grayburg. A CIBP will be set approximately 50' above the Paddock before perforating and stimulating the Langlie Mattix 7 Rvrs Q Grayburg.

DISTRICT I

P.O. Box 1500, Hobbs, NM 88241-1000

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Laws - 4 Copies

Fee Loans - 2 Copies

DISTRICT II

P.O. Drawer 222, Astoria, OR 97103-0222

OIL CONSERVATION DIVISION

P.O. Box 2068

Santa Fe, New Mexico 87504-2088

DISTRICT III

1000 Rio Brazos Rd., Astec. NM 87410

DISTRICT IV

P.O. BOX 8880, SANTA FE, N.M. 87504-8880

WELL LOCATION AND ACREAGE DEDICATION PLAT

Q AMENDED REPORT

API Number 30-025-36240		Pool Code 37240	Pool Name Langite Mattix 7 Ryrs Q Grayburg
Property Code 27142	Property Name EC. HILL "C"		Well Number 4
OGSD No. 000962	Operator Name ARCH PETROLEUM, INC.		Elevation 3286'

Surface Location

UL or Lot No.	Section	Township	Range	Lot 14a	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

Oil or lot No.	Section	Township	Range	Lot 141	Feet from the	North/South line	Feet from the	East/West line	County
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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**

standard location for oil only;
must amend NSL 4855 to include
LM 7RQ for gas per Paul Sauty

GEODETIC COORDINATES
NAD 27 NME
Y = 484480.3
X = 884000.0
LAT. 32°16'17.45"N
LONG. 103°09'20.42"W

990'
1280'

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Cathy Wright
Signature
Cathy Wright
Printed Name
Sr. Operation Tech
Title
08/05/04
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me or under my supervision, and that the note is true and correct to the best of my belief.

MARCH 04, 2003

Date Surveyed
Signature and Seal of Professional Surveyor
NEW MEXICO
03.17.02820
Certified by: MRS. FORNARD G. EDISON
19841