

**SUBMIT ORIGINAL
PLUS 2 COPIES
TO APPROPRIATE
DISTRICT OFFICE**

APPLICATION FOR
WELL WORKOVER PROJECT

I. Operator and Well

Operator name & address Arch Petroleum Inc. P.O. Box 10340 Midland, Texas 79702						OGRID Number 000962		
Contact Party Richard Wright						Phone (915) 685-8140		
Property Name E. C. Hill "A"					Well Number 3	API Number 30-025-10852		
UL 0	Section 27	Township 23S	Range 37E	Feet From The 660	North/South Line South	Feet From The 1980	East/West Line East	County Lea

II. Workover

Date Workover Commenced: 8/13/99	Previous Producing Pool(s) (Prior to Workover): Teague Paddock Blinebry
Date Workover Completed: 8/23/99	

III. Attach a description of the Workover Procedures performed to increase production.

IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.

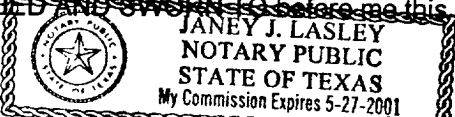
V. AFFIDAVIT:

State of Texas)
) ss.
County of Midland)
Richard Wright, being first duly sworn, upon oath states:

1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.

Signature *Richard Wright* Title Division Operations Mgr. Date June 6, 2000

SUBSCRIBED AND SWORN TO before me this 6th day of June, 2000.

 JANEY J. LASLEY
NOTARY PUBLIC
STATE OF TEXAS
My Commission Expires 5-27-2001


My Commission expires: 5-27-2001

Janey J. Lasley
Notary Public

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on 8-23, 1999.

Signature District Supervisor 	OCD District 1	Date 2/3/2000
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

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

RECEIVED
FEB 24 2000

MIDLAND

WELL API NO.

30-025-10852

Indicate Type of Lease

STATE ☐

FEE ☒

State Oil & Gas Lease No.

16233

Lease Name or Unit Agreement Name

E. C. Hill "A"

Well No.

3

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

Name of Operator

Arch Petroleum Inc.

Address of Operator

300 North Marienfeld, Suite 600 Midland, Texas 79701

Well Location

Unit Letter O : 660 Feet From The South Line and 1980 Feet From The East Line

Section 27 Township 23S Range 37E NMPM Lea County

Elevation (Show whether DF, RKB, RT, GR, etc.)

3277' GR

11

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 ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐

ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐

PLUG AND ANBANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: Plug back ☒

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.

08/13/99

1) Drill out Cement plug 252-334'.

2) TIH w/tbg. Tag @ 5300'.

3) Set CIBP @ 5250'. Dump 2 sx cement on top of plug. Test to 3000#. OK.

08/14/99

4) Perforate 5115-5146' w/2 JSPF.

5) Acidize perms w/1000 gallons 15% HCL.

6) Swab back 86 bbls.

08/17/99

7) Frac w/29,000 gallons and 15,000 lbs 16/30 SLC.

8) Reverse sand to CIBP.

9) Swab back load.

08/23/99

10) RIH w/production equipment.

11) Start well pumping.

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

SIGNATURE

Robin S. McCarley

TITLE

Production Tech.

DATE

09-08-99

TYPE OR PRINT NAME Robin S. McCarley

TELEPHONE NO. 915-685-8100

(This space for State Use) ORIGINAL SIGNED BY

GARY WINK
FIELD REP. II

APPROVED BY

TITLE

DATE

FEB 21 2000

CONDITIONS OF APPROVAL, IF ANY:

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

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505 2 4 2000

MIDLAND

WELL API NO. 30-025-10852
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. 16233

WELL COMPLETION OR RECOMPLETION REPORT AND LOG	
1a. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>	
b. Type of Completion: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> DIFF RESVR <input type="checkbox"/> OTHER <input type="checkbox"/>	
2. Name of Operator Arch Petroleum Inc.	
3. Address of Operator 300 North Marienfeld, Suite 600 Midland, Texas 79701	
7. Lease Name or Unit Agreement Name E. C. Hill "A"	
8. Well No. 3	
9. Pool name or Wildcat Teague Paddock Blinbry	

4. Well Location Unit Letter <u>O</u> : <u>660</u> Feet From The <u>South</u> Line and <u>1980</u> Feet From The <u>East</u> Line Section <u>27</u> Township <u>23S</u> Range <u>37E</u> NMPM Lea County					
10. Date Spudded 08/13/99	11. Date T.D. Reached 08/14/99	12. Date Compl. (Ready to Prod.) 08/22/99	13. Elevations (DF & RKB, RT, GR, etc.) 3277' GR	14. Elev. Casinghead	
15. Total Depth 9725'	16. Plug Back T.D. 5250'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools <input checked="" type="checkbox"/> Cable Tools	19. Producing Interval(s), of this completion - Top, Bottom, Name 5115-5146' Teague Paddock Blinbry	
21. Type Electric and Other Logs Run: GR/CCL Correlation log			22. Was Directional Survey Made No		
21. Type Electric and Other Logs Run: GR/CCL Correlation log			22. Was Well Cored No		

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	280'	17-1/4"	472 sx circ. to surface	
9-5/8"	36#	2869'	12-1/4"	1100 sx TOC 800'	
7"	23# & 26#	9725'	8-3/4"	940 sx TOC 4043'	
4-1/2"	10.#	6231'	8-3/4"	175 sx	

24. LINER RECORD				25. TUBING RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET		
					2-3/8"	5027'			
26. Perforation record (interval, size, and number) 5115-5146' 2 JSPF				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
				DEPTH INTERVAL				AMOUNT AND KIND MATERIAL USED	
				5115-5146'				1000 gallons 15% HCL acid	
				5115-5146'				Frac w/29,000 gals & 15,000# 16/30 SLC	

28. PRODUCTION							
Date First Production 08/23/99		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping				Well Status (Prod. or Shut-in) Prod.	
Date of Test 08/25/99	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - BbL. 25	Gas - MCF 30	Water - BbL. 160	Gas - Oil Ratio 1200
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - BbL.	Gas - MCF	Water - BbL.	Oil Gravity - API - (Corr.) 37.8	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold						Test Witnessed By	
30. List Attachments Logs							

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 <u>Robin S. McCarley</u>	Printed Name <u>Robin S. McCarley</u>	Title <u>Production Tech.</u>	Date <u>09/08/99</u>
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COMPANY REFERENCE: 107 ARCH PETROLEUM INC.

BEGIN DATE: 01/01/98 END DATE: 03/31/00

MONTH	INTEREST PERCENT	OIL PROD	OIL SALES	GAS PROD	GAS SALES	WATER PROD	DAYS PROD
WELL: A700203.A	HILL, E. C. A #3		GROSS	INTEREST			
03/00	100.00000	1225.87	1029.31	1602.26	1602.26	7464.24	31.0
02/00	100.00000	856.78	1103.43	1348.02	1348.02	8165.77	29.0
01/00	100.00000	864.70	675.94	1521.04	1521.04	6993.05	31.0
12/99	100.00000	1057.82	1048.97	1470.56	1470.56	6924.16	31.0
11/99	100.00000	594.29	591.85	0.00	0.00	6071.37	30.0
10/99	100.00000	1041.18	1296.53	99.63	99.63	6075.48	31.0
09/99	100.00000	1058.15	647.12	1220.11	1220.11	533.33	30.0
08/99	100.00000	143.33	0.00	227.11	227.11	393.83	20.0
*WELL		6842.12	6393.15	7488.73	7488.73	42621.23	233.0

COMPANY REFERENCE: 107 ARCH PETROLEUM INC.

BEGIN DATE: 01/01/98 END DATE: 03/31/00

MONTH	INTEREST PERCENT	OIL PROD	OIL SALES	GAS PROD	GAS SALES	WATER PROD	DAYS PROD
WELL: A700203 HILL, E. C. A #3 (IA) GROSS INTEREST							
03/00	100.000000	0.00	0.00	0.00	0.00	0.00	0.0
02/00	100.000000	0.00	0.00	0.00	0.00	0.00	0.0
01/00	100.000000	0.00	0.00	0.00	0.00	0.00	0.0
12/99	100.000000	0.00	0.00	0.00	0.00	0.00	0.0
11/99	100.000000	0.00	0.00	0.00	0.00	0.00	0.0
10/99	100.000000	0.00	0.00	0.00	0.00	0.00	0.0
09/99	100.000000	0.00	0.00	0.00	0.00	0.00	0.0
08/99	100.000000	0.00	0.00	0.00	0.00	0.00	0.0
07/99	100.000000	0.00	0.00	0.00	0.00	0.00	0.0
06/99	100.000000	0.00	0.00	0.00	0.00	0.00	0.0
05/99	100.000000	0.00	0.00	0.00	0.00	0.00	0.0
04/99	100.000000	0.00	0.00	0.00	0.00	0.00	0.0
03/99	100.000000	0.00	0.00	0.00	0.00	0.00	0.0
02/99	100.000000	0.00	0.00	0.00	0.00	0.00	0.0
*WELL		0.00	0.00	0.00	0.00	0.00	0.0