

7/85

RECEIVED
NOV 21 1985



1) Date: November 18, 1985
 2) Operator's Christian Colliery Co.
 Well No. 6, Serial No. 108041
 3) API Well No. 47 - 019 - 0578
 State County Permit

STATE OF WEST VIRGINIA

DIVISION OF OIL & GAS DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
 DEPARTMENT OF ENERGY **APPLICATION FOR A WELL WORK PERMIT**

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 1878' / Watershed: Payne Spring Branch of Paint Creek
 District: Valley 9 / County: Fayette / Quadrangle: Powellton 556
- 6) WELL OPERATOR Ashland Exploration CODE: 2750 7) DESIGNATED AGENT Forrest Burkett
 Address P.O. Box 391 / Address P.O. Box 186 379
Ashland, KY 41114 / Brenton, WV 24818
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Rodney G. Dillow / Name Ray Resources Drilling Company
 Address P.O. Box 30 / Address 2101 Washington St., East
Scarbro, WV 25917 / Charleston, WV 25311
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Weir
- 12) Estimated depth of completed well, 3063' feet
- 13) Approximate strata depths: Fresh, 150 feet; salt, sand @ 1610' feet.
- 14) Approximate coal seam depths: 175' (possible open) Is coal being mined in the area? Yes / No /
- 15) CASING AND TUBING PROGRAM mine

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	16	H-40	65	X		30	30	CTS	Kinds
Fresh water									
Coal	11	H-40	42	X		225	225	CTS <i>by rule 15.05</i>	
Intermediate	8 5/8	K-55	24	X		1650	1650	CTS	
Production	4 1/2	J-55	10.5	X		3063	3063	As Needed <i>by rule 15.01</i>	
Tubing									
Lin.									Perforations: Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-019-0578

December 17 1985
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires December 17, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee	WPCP	S&E	Other
	<u>FLB</u>	<u>MU</u>	<u>MU</u>	<u>306740</u>	<u>MU</u>	<u>MU</u>	

NOTE: Keep one copy of this permit posted at the drilling location.

[Signature]
Director, Division of Oil and Gas

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

11/10/2020

OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) LOCATION: Levine Spring Branch of Paint Creek
 2) WELL OPERATOR: Levine Spring Branch of Paint Creek
 3) WELL OPERATOR ADDRESS: P.O. Box 391
Levine, W. Va. 26038
 4) NAME OF GAS INSPECTOR TO BE REPORTED: Rodney E. Dillon
P.O. Box 30
Scottsboro, W. Va. 25917
 5) PROPOSED WELL WORK: Drill
 6) OTHER PHYSICAL CHANGES IN WELL (IF ANY):
 7) APPROXIMATE DEPTH OF PROPOSED WELL: 3000
 8) APPROXIMATE DEPTH OF EXISTING WELL: 1500
 9) APPROXIMATE DEPTH OF PROPOSED CASING: 1500
 10) CASING AND TUBING PROGRAM (IF ANY):

CASING OR TUBING TYPE	DEPTH (FEET)	DATE	REMARKS
CTS	30	10-10-87	
CTS	30	10-10-87	

OFFICE USE ONLY

This part of Form WW-2(B) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____

Reason: _____

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- 1) Date: November 18, 1985
- Operator's Christian Colliery Co.
- 2) Well No. 6, Serial No. 108041
- 3) API Well No. 47 - 019 - 0578
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL & GAS

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

5 (i) COAL OPERATOR None
Address _____

(i) Name Christian Colliery Company
Address 214 Orchard Way
Wayne, PA 19087

(ii) Name _____
Address _____

5 (ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name Christian Colliery Company
Address 214 Orchard Way
Wayne, PA 19087

(iii) Name _____
Address _____

Name
CHRISTIAN COLLIERY CO. #6

TO THE PERSON(S) NAMED

- (1) The Applicant involved in the application and, if applicable, the plat (survey) above
- (2) The plat (survey) above
- (3) The construction to plug a well or reclamation

THE REASON YOU REQUEST WHICH ARE SUMMARIZED IN WW-2(B) DESIGNATED FOR

Take notice that the operator proposes to file for a Well Work Permit well at the location described. Copies of this Notice, have been mailed by registered mail (or by publication) to the Director of the Division of Oil & Gas.

6) EXTRACTION RIGHTS

- Check and provide on _____
- Included is the right to hold the right
- The requirement _____

7) ROYALTY PROVISIONS

Is the right to extract or other contract or for compensation to the volume of oil _____

If the answer is _____ you may use Affidavit Form WW-60.

PS Form 3811, July 1982

RETURN RECEIPT

● SENDER: Complete items 1, 2, 3, and 4. Add your address in the "RETURN TO" space on reverse. JHB

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
 Show to whom and date delivered _____ \$
 Show to whom, date, and address of delivery _____ \$

2. RESTRICTED DELIVERY _____ \$
(The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$ _____

3. ARTICLE ADDRESSED TO W. A. BARROWS IV, PRESIDENT, CHRISTIAN COLLIERY CO. 214 ORCHARD WAY WAYNE, PA 19087

4. TYPE OF SERVICE: REGISTERED INSURED CERTIFIED COD EXPRESS MAIL
(Always obtain signature of addressee or agent).

ARTICLE NUMBER AO-121166

I have received the article described above.
 SIGNATURE Addressee Authorized agent
W. A. Barrows IV

5. DATE OF DELIVERY _____

6. ADDRESSEE'S ADDRESS (Only if requested) _____

7. UNABLE TO DELIVER BECAUSE: _____

7a. EMPLOYEE'S INITIALS _____

POSTMARK (may be on reverse side)
NOV 27 1985

DECLARATION ON RECORD:
None

ing documents:

the parties location

is only and for

APPLICATION APPLICATION ALL.

well op- documents ect to a rm Ww-6. tion Plan n(s) named or delivery

by which I specifics.)

leases rovision y related

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by John H. Burtnett

this 18th day of November, 1985,
My commission expires Nov. 23, 1986.

Vicki W. South
Notary Public, State-at-Large County, Kentucky

WELL OPERATOR Ashland Exploration, Inc.

By John H. Burtnett
Its Regional Civil Engineer
Address P.O. Box 391
Ashland, KY 41114
Telephone 606/329-5258

11/10/2023

I N S T R U C T I O N S T O A P P L I C A N T

CONCERNING THE LINE ITEMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Division of Oil & gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code §22B-1-9(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code §22B-1-36.
- 6) See Code §22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11 (d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code §22B-1-6 and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22B-1-2C and the reclamation required by Code §22B-1-30 and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code §22B-1-2(c) and 22B-1-29, and (v) if applicable, the consent required by Code §22B-1-21 from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22B-1-9, 22-B-1-13 and 22B-1-14.

INFORMATION SUPPLIED UNDER CODE §22B-1-8(d)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the obverse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that--

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.

Grantee, lessee, etc.

Royalty Book page

11/10/2023

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NOV 21 1985



DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

State of West Virginia
Department of ENERGY
Oil and Gas Division

DATE November 6, 1985
WELL NO. Christian Colliery Co. No. 6
API NO. 47-019-0578
Serial # 108041

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Ashland Exploration, Inc. DESIGNATED AGENT Forrest Burkett
Address Box 391, Ashland, Ky 41114 Address Box 379, Brenton, WV 24818
Telephone 606-329-5258 Telephone 304-732-6677
LANDOWNER Christian Colliery Co. SOIL CONS. DISTRICT Southern
Revegetation to be carried out by Ashland Exploration, Inc. (Agent)

This plan has been reviewed by Southern SCD. All corrections and additions become a part of this plan: 11-12-85 (Date)
Gary W. Boschain (SCD Agent)

ACCESS ROAD

LOCATION

Structure <u>Culverts-Steel-15" @</u> (A)	Structure <u>Diversion Ditch</u> (1)
Spacing <u>As Shown</u>	Material <u>Earth & Rock</u>
Page Ref. Manual <u>2-7 & 2-8</u>	Page Ref. Manual <u>2-12</u>
Structure <u>Headwalls-Rock rip-rap</u> (B)	Structure <u>Drilling Pit</u> (2)
Spacing <u>N/A</u>	Material <u>Earth & Rock-lined & treated</u>
Page Ref. Manual <u>2-7D, 7E, 8, 2-10, 2-11</u>	Page Ref. Manual <u>N/A</u>
Structure <u>Drainage ditch</u> (C)	* Structure <u>Sediment barrier</u> (3)
Spacing <u>N/A</u>	Material <u>Straw bales or brush</u>
Page Ref. Manual <u>2-12</u>	Page Ref. Manual <u>2-16</u>

⊗ 24" culvert under location
All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.
* Also on access rd.

REVEGETATION

Treatment Area I (Access Rd.)

Treatment Area II (Location)

Line 3 Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch straw 2 Tons/acre
Seed * Ky 31 Tall Fescue 20 lbs/acre
Creeping Red Fescue 20 lbs/acre
Red Top 5 lbs/acre

Line 3 Tons/acre
or correct to pH 6.5
Fertilizer 500 lbs/acre
(10-20-20 or equivalent)
Mulch Straw 2 Tons/acre
Seed * Ky 31 Tall Fescue 20 lbs/acre
Creeping Red Fescue 20 lbs/acre
Red Top 5 lbs/acre

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

PLAN PREPARED BY John H. Burdick 11/10/2023

ADDRESS Box 391
Ashland, Ky. 41114
PHONE NO. (606) 329-5258

NOTES: Please request landowner's cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

WR-35

DEPARTMENT OF ENERGY
OIL AND GAS



Date 4/24/86
Operator's
Well No. 6
Farm Christian Colliery Co.
API No. 47 - 019 - 0578

APR 28 1986

State of West Virginia
DEPARTMENT OF ENERGY
Oil and Gas Division

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production X / Underground Storage ___ / Deep ___ / Shallow X /)

LOCATION: Elevation: 1878' Watershed Payne Spring Branch of Paint Creek
District: Valley County Fayette Quadrangle Powellton

COMPANY Ashland Exploration, Inc.
ADDRESS P. O. Box 391, Ashland, KY 41114
DESIGNATED AGENT Forrest Burkett
ADDRESS Box 379 Brenton, WV 24818
SURFACE OWNER Christian Colliery Co.
ADDRESS 214 Orchard Way, Wayne, PA 19087
MINERAL RIGHTS OWNER Christian Colliery Co.
ADDRESS 214 Orchard Way, Wayne, PA 19087
OIL AND GAS INSPECTOR FOR THIS WORK Rodney Dillon
ADDRESS Box 30 Scarbro, WV
PERMIT ISSUED Dec. 17, 1985
DRILLING COMMENCED March 22, 1986
DRILLING COMPLETED April 2, 1986
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON _____

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	50'	50'	20 sks
9 5/8			
8 5/8	1666'	1666'	350sks
7			
5 1/2			
4 1/2	3063'	3063'	90 sks
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Weir Depth 3063 feet
Depth of completed well 3094 feet Rotary X / Cable Tools
Water strata depth: Fresh * 50 feet; Salt * _____ feet *Carried wtr to 7" csg pt. @ 1666'
Coal seam depths: 177' (no open mine) Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation U. Weir & L. Maxton Pay zone depth 2894-2914 feet
Gas: Initial open flow TSTM Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 1476 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 3 hours
Static rock pressure 535 psig (surface measurement) after 72 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
Gas: Initial open flow _____ Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ Mcf/d Oil: Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement) after _____ hours shut in

11/10/2023

(Continue on reverse side)

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perf Upper Weir 21H/2894-2914 - 75 Q foam frac using 500 gal 15% HCl, 30,000# 20/40 sand, 194,000 SCF N₂ @ 6600 SCF/min. BD @ 1050#, ATP 1100# @ 20 B/M, MTP 1150#, ISIP 850#, 15 min 850#, TF 194 bbl.

Perf Lower Maxton 20H/2363-2375 - 75 Q foam frac using 500 gal 15% HCl, 30,000# 20/40 sand, 162,000 SCF N₂ @ 6000 SCF/min. BD @ 1500#, ATP 1700#, MTP 2000#, ISIP 1500#, 15 min 1350#, TF 201 bbl.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	1021	
Salt Sand			1021	1661	
Shale			1661	1768	
Ravenscliff			1768	1780	
Shale			1780	1795	
Avis LS			1795	1825	
Shale			1825	2327	
Lower Maxton			2327	2384	
Shale			2384	2389	
Little Lime			2389	2463	
Pencil Cave			2463	2485	
Big Lime			2485	2789	
Shale			2789	2806	
Injun			2806	2844	
Shale			2844	2876	
Upper Weir			2876	2915	
Shale			2915	TD	
DTD	3094'				
LTD	3094'				

(Attach separate sheets as necessary)

ASHLAND EXPLORATION, INC.

Well Operator

By: *Chuck S. Hines*

11/10/2023

Date: 4/24/86

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

INSPECTOR'S PERMIT SUMMARY FORM

12-17-85

WELL TYPE _____
ELEVATION 1878
DISTRICT Valley
QUADRANGLE Powellton
COUNTY Fayette

API# 47- 019 - 0578
OPERATOR Ashland Expl.
TELEPHONE _____
FARM Christian Colliery
WELL # Christian Colliery 6

SURFACE OWNER Christian Colliery COMMENTS _____ TELEPHONE _____

TARGET FORMATION Weir DATE APPLICATION RECEIVED 12/19/85

DATE STARTED _____
LOCATION 1-8-86 NOTIFIED yes DRILLING COMMENCED 3-22-86

WATER DEPTHS 60, _____, _____, _____

COAL DEPTHS 90'-94', 120'-123', _____, _____

CASING

Ran 1642 feet of 2 "pipe on 3:30 with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up
Ran _____ feet of _____ "pipe on _____ with _____ fill up

TD _____ feet on _____

DEPARTMENT OF ENERGY
OIL AND GAS

PLUGGING

JUN 2 1986

Type	From	To	Pipe Removed

Pit Discharge date: _____ Type _____

Field analysis ph _____ fe _____ cl _____

Well Record received _____

Date Released 5-30-86

R. Wellon
Inspector's signature

11/10/2023

API# 47-019-0528

LIST ALL VISITS FOR THIS PERMIT

CHM Rig #2

DATE	TIME	PURPOSE	COMMENTS
1-9		Building	
1-21		Work on Access Rd.	
3-19		look after building	
3-23		drill Cond. hole	
3-25		Bit trip at 849'	
4-4		Hole drilled	
4-18		Hole Complete, Not producing	

Notes

I OK Permit Change ON CASING

R. Deller

MX 12-16-85

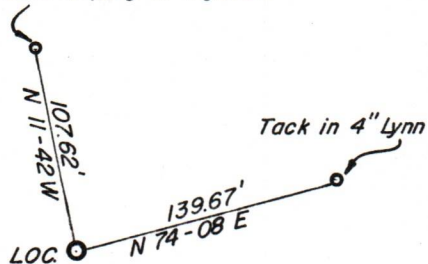
10,200'

LATITUDE 38° - 02' - 30"

LONGITUDE 81° - 17' - 30"

10,400'

Tack in plug in highwall



REFERENCE DATA

Eastern Associated Coal Corp.

Christian Colliery Company.
4051.78 Ac. Lease

Loc. No. 6

NORTH

Fifteen Mile Creek
Lease Line

Eagle Land Co.

Lawson W. Hamilton, Jr. et al

Ford Coal Co.
Lease Line
Dark Hollow
Rattlesnake Run

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 in 7888
 PROVEN SOURCE OF ELEVATION U.S.C. & G.S. B.M. 1200
Up stream from mouth of Skitter Ck. El. 1166.58

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.

(SIGNED) Forrest Burkett
 R.P.E. 1442 L.L.S. _____

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6
(8-78)



DATE Nov. 18, 19 85
 OPERATOR'S WELL NO. 6-Ser. # 108041
 API WELL NO. _____
47 - 019 - 0578
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1878 WATER SHED Payne Spring Branch of Paint Creek
 DISTRICT Valley COUNTY Fayette
 QUADRANGLE Powellton
 SURFACE OWNER Christian Colliery Co. ACREAGE 4000+
 OIL & GAS ROYALTY OWNER Christian Colliery Co. LEASE ACREAGE 4051.70
 LEASE NO. 9968
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Weir ESTIMATED DEPTH 3063'
 WELL OPERATOR Ashland Exploration, Inc. DESIGNATED AGENT Forrest Burkett
 ADDRESS Box 391 ADDRESS Box 379
Ashland, Ky. 41114 Brenton, W.Va. 24818

FAKE 0578