



1) Date: May 15, 1984
 2) Operator's Well No. Meredith & Hassig #17
 3) API Well No. 47 - 013 - 3735
 State County Permit

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES, OIL AND GAS DIVISION
 APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 739 Watershed: West Fork of Little Kanawha (LK-33)
 District: Lee County: Calhoun Quadrangle: Arnoldsburg 7.5'
- 6) WELL OPERATOR Pennzoil Company 7) DESIGNATED AGENT James A. Crews
 Address P. O. Box 1588 Address P. O. Box 1588
Parkersburg, WV 26102 Parkersburg, WV 26102
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Deo Mace Name _____
 Address Route #1 - Box 5 Address _____
Sandridge, W.Va. 25274
- 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, Berea
- 12) Estimated depth of completed well, 2340 feet
- 13) Approximate strata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes / No
- 15) CASING AND TUBING PROGRAM

RECEIVED
 MAY 16 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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									Kinds
Fresh water	7	H40	17		X	250	250	Cement to surface	NEAR
Coal									Sizes
Intermediate									
Production	4-1/2	K55	9.5	X		2340	2340	50 sks.	Depth set as req. by rule 15/01
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-013-3735 Date June 6, 19 84

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 June 6, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <input checked="" type="checkbox"/>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>16389</u>
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[Signature]
 Administrator, Office of Oil and Gas

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



OFFICE USE ONLY

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

1) LOCATION: District: _____ County: _____ Township: _____ Range: _____ Section: _____

2) WELL OPERATOR: Name: _____ Address: _____

3) DESIGNATED AGENT: Name: _____ Address: _____

4) DRILLING CONTRACTOR: Name: _____ Address: _____

5) PROPOSED WELL WORK: Drill Re-drill Perform new formation Plug old formation

6) GEOLOGICAL TARGET FORMATION: _____

7) Estimated depth of completed well: _____

8) Approximate stratigraphic depth: _____

9) Approximate coal seam depth: _____

10) CASING AND TUBING PROGRAM: _____

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MAY 16 1986

DEPT. OF MINES
OIL & GAS DIVISION

OFFICE USE ONLY

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

Date	Date(s)
Application received	Follow-up inspection(s)
Well work started	" "
Completion of the drilling process	" "
Well Record received	" "
Reclamation completed	" "

OTHER INSPECTIONS

Reason: _____

Reason: _____

Bond:	Agent:	Plan:	Cons:	Fee:
✓	✓	✓	✓	✓

05/17/2024

1) Date: May 15, 1984
2) Operator's Well No. Meredith & Hassig #17
3) API Well No. 47-013-3735
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS
NOTICE OF APPLICATION FOR A WELL WORK PERMIT

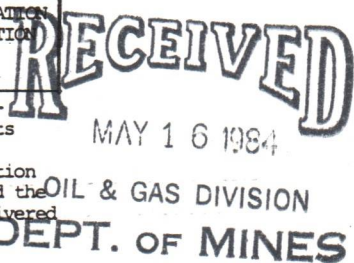
4) SURFACE OWNER(S) OF RECORD TO BE SERVED
(i) Name Robert Barton
Address Route 3, Box 730
Arnoldsburg, W. Va. 25234
(ii) Name Marilyn WhytSELL
Address Route 3
Arnoldsburg, W. Va. 25234
(iii) Name _____
Address _____

5(i) COAL OPERATOR No Commercial Coal
Address _____
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address _____
Name _____
Address _____
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.



Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

- 6) EXTRACTION RIGHTS
Check and provide one of the following:
 Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas. Lease on File. See Permit No. 47-013-3294-FRac
 The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)
- 7) ROYALTY PROVISIONS
Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No X
- If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

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
Curtis A. Lucas
this 15 day of May, 1984.
My commission expires Oct. 24, 1989.

WELL OPERATOR Pennzoil Company
By Curtis A. Lucas
Its Supervisor, Surveying & Mapping
Address P. O. Box 1588
Parkersburg, West Virginia 26102
Telephone 422-6565

Joyce M. Board
Notary Public, Wood County,
State of W. Va.

05/17/2024

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 Office 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 § 22-4-1b(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 § 22-4-20.
- 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 § 22-4-1k 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-8a 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 § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(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

*Robert Barton
Proof of service
with MCH #16
P419-191-585*

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED
JUN 26 1984

OIL & GAS DIVISION
DEPT. OF MINES
INSPECTOR'S WELL REPORT

Permit No. 13-3735

Oil or Gas Well _____
(KIND)

Company Pennoil
 Address _____
 Farm Meredith - Hassig
 Well No. 17
 District See County Cal
 Drilling commenced _____
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

Drillers' Names _____

Remarks: _____

Location ready

6-23-84
DATE

W. S. Mac 05/17/2024
DISTRICT WELL INSPECTOR

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION

RECEIVED

JUL 17 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION
DEPT. OF MINES

Permit No. 13-3735

Oil or Gas Well _____
(KIND)

Company Pennzoil

Address _____

Farm Meredith - Hassig

Well No. 17

District See County Cal

Drilling commenced 7-11-84

Drilling completed _____ Total depth _____

Date shot _____ Depth of shot _____

Initial open flow _____ /10ths Water in _____ Inch

Open flow after tubing _____ /10ths Merc. in _____ Inch

Volume _____ Cu. Ft.

Rock pressure _____ lbs. _____ hrs.

Oil _____ bbls., 1st 24 hrs.

Fresh water _____ feet _____ feet

Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/4			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Hunt 3

Remarks: was not notified of cementing of surface casing, there fore, was not present.

NO records at wellsite of casing or cement used.

7-12-84
DATE

D. W. Mass 05/17/2024
DISTRICT WELL INSPECTOR



RECEIVED
MAR 12 1985
OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
December 19, 1984

COMPANY Pennzoil Company
P. O. Box 1588
Parkersburg, West Virginia 26101

PERMIT NO 013-3735
FARM & WELL NO Robert Barton -
Meredith-Hassig #17
DIST. & COUNTY Lee/Calhoun

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	_____	_____
25.04	Prepared before Drilling to Prevent Waste	_____	_____
25.03	High-Pressure Drilling	_____	_____
16.01	Required Permits at Wellsite	_____	_____
15.03	Adequate Fresh Water Casing	_____	_____
15.02	Adequate Coal Casing	_____	_____
15.01	Adequate Production Casing	_____	_____
15.04	Adequate Cement Strenght	_____	_____
15.05	Cement Type	_____	_____
23.02	Maintained Access Roads	_____	_____
25.01	Necessary Equipment to Prevent Waste	_____	_____
23.04	Reclaimed Drilling Pits	_____	_____
23.05	No Surface or Underground Pollution	_____	_____
23.07	Requirements for Production & Gathering Pipelines	_____	_____
16.01	Well Records on Site	_____	_____
16.02	Well Records Filed	_____	_____
7.05	Identification Markings	_____	_____

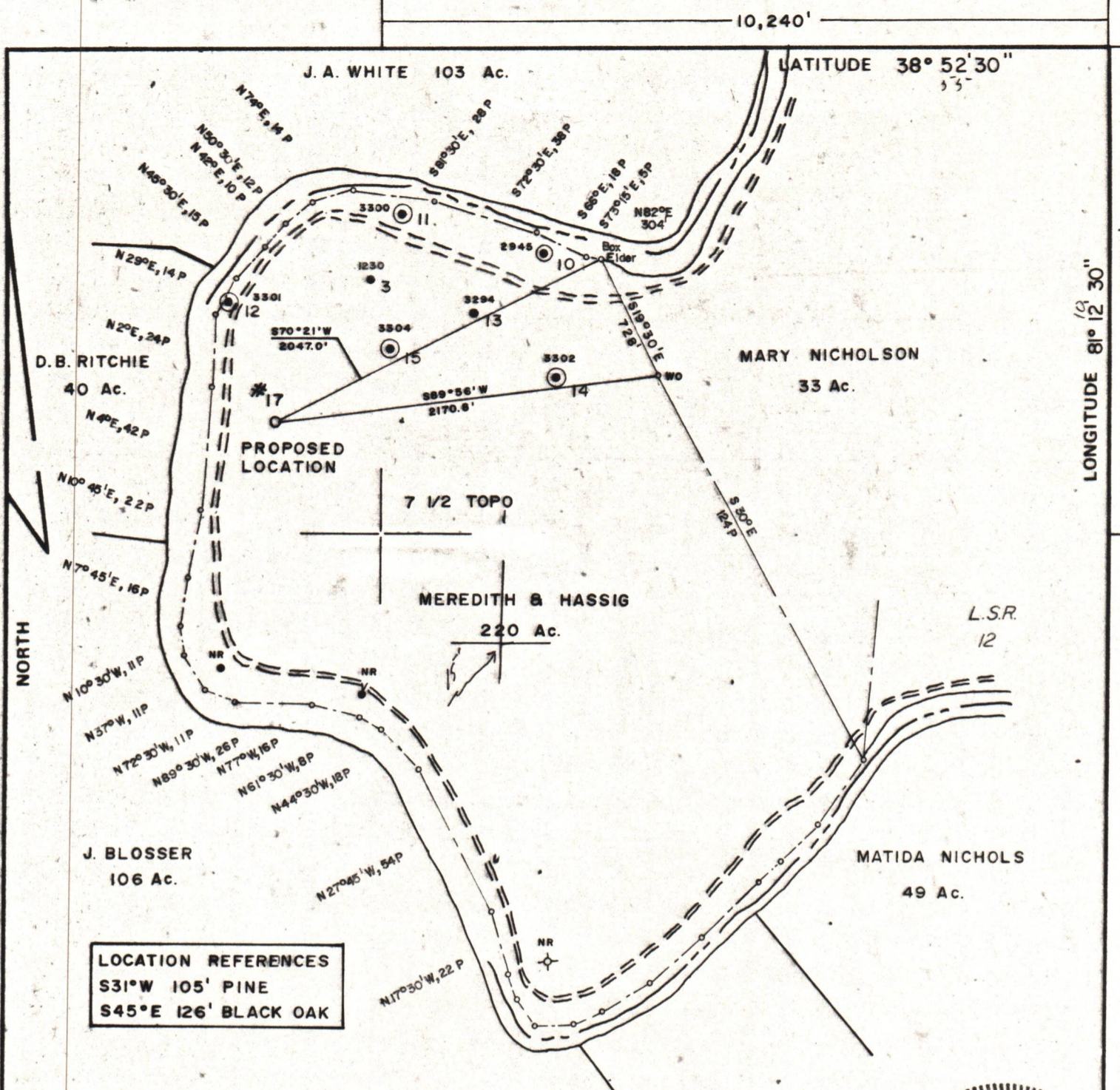
I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED *W. W. Mace*
DATE 3-4-85

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. H. ...
Administrator-Oil & Gas Division
March 13, 1985

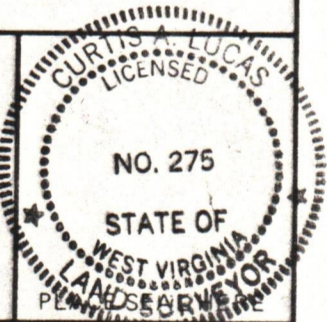
DATE



LOCATION REFERENCES
 S31°W 105' PINE
 S45°E 126' BLACK OAK

FILE NO. 1674
 MAP 42 SQS S40 W36
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION MEREDITH & HASSIG
*12-669.79'

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) Curtis A. Lucas
CURTIS A. LUCAS LLS 275



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE MAY 14, 19 84
 FARM Meredith & Hassig NO. 17
 API WELL NO. 47-013-3735
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 739' WATERSHED West Fork of Little Kanawha River
 DISTRICT Lee COUNTY Calhoun
 QUADRANGLE Arnoldsburg 7.5'
 SURFACE OWNER MARYLYN SUE WHYTSELL ACREAGE 17.18 Ac.
 OIL & GAS ROYALTY OWNER Byford H. Stine LEASE ACREAGE 220 A **05/17/2024**
 LEASE NO. 80680-50
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION BEREA ESTIMATED DEPTH 2,340'
 WELL OPERATOR PENNZOIL COMPANY DESIGNATED AGENT JAMES A. CREWS
 ADDRESS P. O. BOX 1588 ADDRESS P. O. BOX 1588
PARKERSBURG, W. V. 26101 PARKERSBURG, W. V. 26101

cele vmm

IV-35
(Rev 8-81)

RECEIVED
DEC 6 - 1984
OIL & GAS DIVISION
DEPT. OF MINES



State of West Virginia
Department of Mines
Oil and Gas Division

Date December 4, 1984
Operator's
Well No. 17
Farm Meredith-Hassig
API No. 47 - 013 - 3735

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

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

LOCATION: Elevation: 739 Watershed West Fork of Little Kanawha
District: Lee County Calhoun Quadrangle Arnoldsburg 7.5'

COMPANY Pennzoil Company
ADDRESS P. O. Box 1588, Parkersburg, WV 26101
DESIGNATED AGENT James A. Crews
ADDRESS P.O. Box 1588, Parkersburg, WV 26101
SURFACE OWNER Marilyn Whytsell
ADDRESS Route 3, Arnoldsburg, WV
MINERAL RIGHTS OWNER Byford H. Stine
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Deo
Mace ADDRESS Rt. 1 - Box 5, Sandridge, WV
PERMIT ISSUED 6-6-84
DRILLING COMMENCED 7-11-84
DRILLING COMPLETED 7-15-84

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8			
7	262	262	100 sks.
5 1/2			
4 1/2	2387	2387	140 sks.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Berea Depth 2282-2308 feet
Depth of completed well 2379 feet Rotary X / Cable Tools
Water strata depth: Fresh 84-118 feet; Salt 1506-1626 feet
Coal seam depths: Is coal being mined in the area? X

OPEN FLOW DATA

Producing formation Berea Pay zone depth 2290 feet
Gas: Initial open flow 3 Mcf/d Oil: Initial open flow 8 Bbl/d
Final open flow 3 Mcf/d Final open flow 8 Bbl/d
Time of open flow between initial and final tests 48 hours
Static rock pressure psig (surface measurement) after 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

(Continue on reverse side)

CAL-3735

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

Perforated: 2288-92/4H; 2299-2307/9H

Fractured: 8-23-84

w/250 gls. 15% HCL, 240 BGW, 2000# 20/40 sd

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Clay			0	72	
Sand			72	117	
Silt			117	150	
Sand,Clay,Silt			150	656	
Shale			656	800	
Sand,Shale			800	1244	
Salt Sand			1244	1282	
Shale			1282	1322	
Salt Sand			1322	1356	
Shale			1356	1556	
Salt Sand			1556	1625	
Shale			1625	1710	
Little Lime			1710	1740	
Pencil Cave			1740	1757	
Big Lime			1757	1884	
Big Injun			1884	1926	
Pocono Shale			1926	2266	
Coffee Shale			2266	2282	
Berea			2282	2308	
Shale			2308	2379	
Total Depth				2379	

(Attach separate sheets as necessary)

Pennzoil Company

Well Operator

By: Curtis A. Hanna 05/17/2024

Date: 12-4-84


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."

P 419 191 587

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to	
Marilyn Whytse11	
Street and No.	
Route 3	
P.O., State and ZIP Code	
Arnoldsburg, WV 25234	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	X
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ 1.72
Postmark or Date	
	

PS Form 3800, Feb. 1982



IV-9
(Rev 8-81)

DATE 5/11/84
WELL NO. MEREDITH HASSIG #17
API NO. 47 - 013 - 3735

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME PENNZOIL COMPANY
Address P.O. Box 1588, Parkersburg, WV
Telephone 422-6565

DESIGNATED AGENT JAMES A. CREWS
Address Box 1588, Parkersburg, W.V.
Telephone 422-6565

LANDOWNER MARILYN SUE WHYTSELL

SOIL CONS. DISTRICT LITTLE KANAWHA
(Agent)

Revegetation to be carried out by HALL'S RECLAMATION INC.

This plan has been reviewed by Little Kanawha SCD. All corrections
and additions become a part of this plan: 5-14-84 (Date)

Garrett Newton
(SCD Agent)

RECEIVED
MAY 16 1984

OIL & GAS DIVISION

DEPT. OF MINES

ACCESS ROAD

LOCATION

Structure ROADSIDE DITCH (A)

Structure DIVERSION DITCH (1)

Spacing SEE SKETCH

Material EARTHEN

Page Ref. Manual 2-12

Page Ref. Manual 2-12

Structure CULVERT 24" ID (B)

Structure _____ (2)

Spacing SEE SKETCH

Material _____

Page Ref. Manual 2-7

Page Ref. Manual _____

Structure CULVERT 16" ID (C)

Structure _____ (3)

Spacing SEE SKETCH

Material _____

Page Ref. Manual 2-7

Page Ref. Manual _____

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.

REVEGETATION

Treatment Area I

Treatment Area II

Lime _____ Tons/acre
or correct to pH 6.5

Lime _____ Tons/acre
or correct to pH 6.5

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Fertilizer 500 lbs/acre
(10-20-20 or equivalent)

Mulch STRAW 2 Tons/acre

Mulch STRAW 2 Tons/acre

Seed* KY 31 FESCUE 35 lbs/acre

Seed* _____ lbs/acre

PERENNIAL RYEGRASS 15 lbs/acre

SAME AS AREA I } lbs/acre

ALSIKE CLOVER 5 lbs/acre

_____ } lbs/acre

05/17/2024 acre

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

PLAN PREPARED BY Curtis A. Lucas

ADDRESS P.O. Box 1588

Parkersburg, W.V.

PHONE NO. 422-6565

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

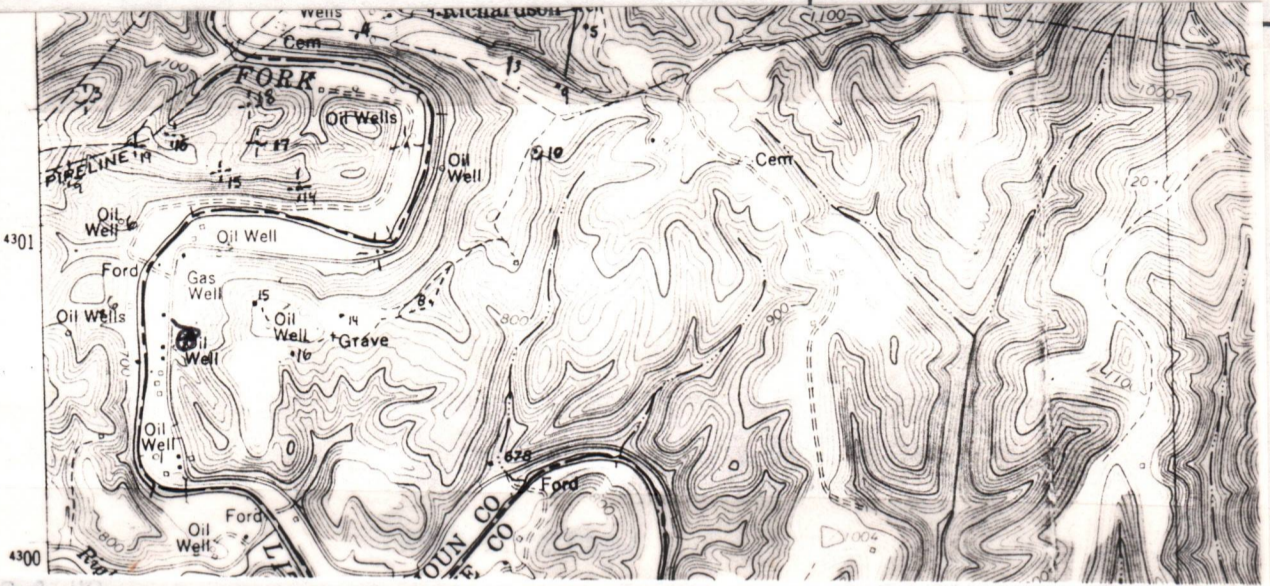
IV-9 REVERSE
(REV 8-81)

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE ARNOLDSBURG 7 1/2

LEGEND

Well Site ⊕

Access Road ———



Sketch to include well location, existing access road, roads to be constructed, well site drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary ———▲———	Diversion ———/———/———/———
Road = = = = =	Spring ⊕→
Existing fence ———x———x———	Wet spot ⊕
Planned fence ———/———/———	Building ■
Stream ~ ~ ~ ~ ~	Drain pipe ———○———○———○———
Open ditch ———>———>———>———>———	Waterway ———≡———≡———≡———

