



1) Date: May 15, 19 84
 2) Operator's Well No. W. E. Butcher #5
 3) API Well No. 47 - 013 - 3734
 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: 925 Watershed: Steel Run LKW-13
 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 26101 Parkersburg, WV 26101
- 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, 2520 feet
- 13) Approximate strata depths: Fresh, _____ feet; salt, _____ feet.
- 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes _____ No _____

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 DEPT. OF MINES

15) CASING AND TUBING PROGRAM

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					440	440	Cement to surface	<u>NEAT</u>
Coal									Sizes
Intermediate									
Production	4-1/2	K-55	9.5	X		2520	2520	50 sks.	Depths set
Tubing								<u>or as req. by rule 15-01</u>	Perforations:
Liners									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-013-3734 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>16387</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) WELL LOCATION: B (If "Gas" Production) _____
 2) WELL OPERATOR: _____
 3) DESIGNATED AGENT: _____
 4) DRILLING CONTRACTOR: _____
 5) PROPOSED WELL WORK: _____
 6) GEOLOGICAL TARGET FORMATION: _____
 7) ESTIMATED DEPTH OF COMPLETED WELL: _____
 8) APPROXIMATE TEST DEPTH: _____
 9) APPROXIMATE TEST DEPTH: _____
 10) CASING AND TUBING PROGRAM: _____

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MAY 16 1988

OIL & GAS DIVISION
DEPT. OF MINES

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		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____

Reason: _____

✓	✓	✓	✓	✓
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10/06/2023

1) Date: May 15, 19 84
 2) Operator's Well No. W. E. Butcher #5
 3) API Well No. 47-013-3734
 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 Randall Connolly
 Address 2701 Grand Central Ave.
Vienna, W.Va. 26105
 (ii) Name _____
 Address _____
 (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 _____

P 419 191 588
 RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED - NOT FOR INTERNATIONAL MAIL
 (See Reverse)

Sent to	Randall Connolly
Street and No.	2701 Grand Central Ave.
P.O., State and ZIP Code	Vienna, WV 26105
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	\$172
Postmark or Date	

PS Form 3800, Feb. 1982

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 MAY 16 1984
 OIL & GAS DIVISION
 DEPT. OF MINES
 Lease on File: See Permit No. 47-013-3192

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

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

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

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JUL 31 1984

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

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 13-3734

Oil or Gas Well _____
(KIND)

Company Pennzoil
 Address _____
 Farm W. E. Butcher
 Well No. 5
 District See County Cal.
 Drilling commenced 7-20-84
 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 3/8			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 Hunt 3

Remarks: 465' of 7" casing, 2nd SKS cement, Dowell, 7-20-84
2100' 2100' Today.

7-23-84
DATE

D. W. Moore 10/06/2023
DISTRICT WELL INSPECTOR

2/16/82

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner			Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES			CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION			RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

DATE _____ I hereby certify I visited the above well on this date.

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DEPARTMENT OF ENERGY
OIL AND GAS



JAN 14 1986

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 013-3734 (6-06-84)
FARM & WELL NO Randall Connolly/Butcher 5
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 *1-9-86*

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.

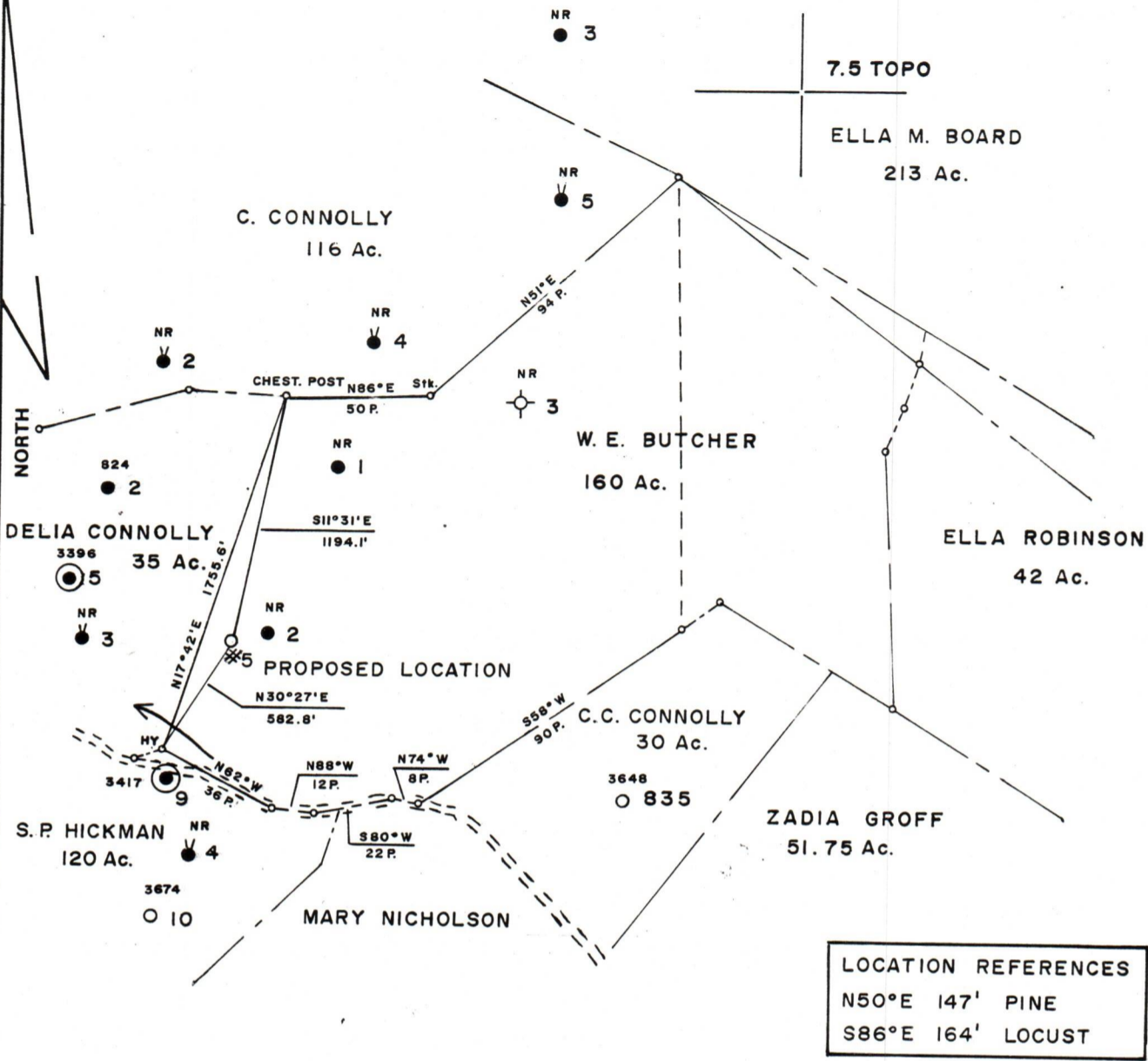
T. L. v. B.
Administrator-Oil & Gas Division

January 27, 1986
DATE

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[Handwritten signature]

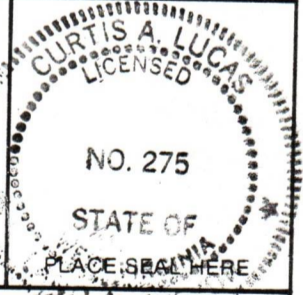
10/06/2023



LOCATION REFERENCES
 N50°E 147' PINE
 S86°E 164' LOCUST

FILE NO. 1734
 MAP 42 SQS S39 W35
 SCALE 1" = 800'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION D. CONNOLLY #5
901.26'

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



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION



DATE MAY 9, 2023
 FARM W. E. BUTCHER NO. 5
 API WELL NO.

47 - 013 - 3734
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 925' WATER SHED STEEL RUN
 DISTRICT LEE COUNTY CALHOUN
 QUADRANGLE ARNOLDSBURG 7.5

SURFACE OWNER C. CONNOLLY HRS. ACREAGE 100
 OIL & GAS ROYALTY OWNER RANDALL CONNOLLY LEASE ACREAGE 160
 LEASE NO. 80676-160 Ac.

10/06/2023

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 2520'
 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

IV-35
(Rev 8-81)



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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. 5
Farm W. E. Butcher
API No. 47 - 013 - 3734

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: 925 Watershed Steel Run
District: Lee County Calhoun Quadrangle Arnoldsburg 7.5'

COMPANY Pennzoil Company
ADDRESS P.O. Box 1588, Parkersburg, W.Va.
DESIGNATED AGENT James A. Crews
ADDRESS P. O. Box 1588, Parkersburg, WV 26101
SURFACE OWNER Randall Connolly
ADDRESS 2701 Grand Central Ave., Vienna, WV.
MINERAL RIGHTS OWNER Same as Above
ADDRESS
OIL AND GAS INSPECTOR FOR THIS WORK Deo
Mace ADDRESS Rt. 1-Box 5, Smithville, WV
PERMIT ISSUED 6-6-84
DRILLING COMMENCED 7-20-84
DRILLING COMPLETED 7-24-84

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	473	473	200 sks.
5 1/2			
4 1/2	2564	2564	140 sks.
3			
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Berea Depth 2520 feet
Depth of completed well 2550 feet Rotary X / Cable Tools
Water strata depth: Fresh 86-152 feet; Salt 1738-1790 feet
Coal seam depths: Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation Berea Pay zone depth 2465 feet
Gas: Initial open flow 15 Mcf/d Oil: Initial open flow 30 Bbl/d
Final open flow 15 Mcf/d Final open flow 30 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-3734

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

Perforated: 2471-74/4H; 2479-2488/10H

Fractured: 8-23-84

w/250 gls. 15% HCL, 216 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	34	
Sand			34	60	
Silt, Sand			60	206	
Clay			206	250	
Sand, Silt, Shale			250	1732	
Salt Sand			1732	1790	
Silt, Shale, Sand			1790	1890	
Maxton			1890	1912	
Little Lime			1912	1932	
Pencil Cave			1932	1950	
Big Lime			1950	2087	
Big Injun			2087	2098	
Silt			2098	2127	
Pocono Shale			2127	2450	
Coffee Shale			2450	2462	
Berea			2462	2550	
Total Depth				2550	

(Attach separate sheets as necessary)

Pennzoil Company
Well Operator
By: Curtis A. Leman 10/06/2023
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."



IV-9
(Rev 8-81)

DATE 5/11/84
WELL NO. W.E. BUTCHER #5
API NO. 47 - 013 - 3734

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 CONNOLLY HRS. RANDALL CONNOLLY AGT. SOIL CONS. DISTRICT LITTLE KANAWHA
Revegetation to be carried out by HALL'S RECLAMATION INC. (Agent)

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)

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 12" ID (B)

Structure _____ (2)

Spacing SEE SKETCH

Material _____

Page Ref. Manual 2-7

Page Ref. Manual _____

Structure _____ (C)

Structure _____ (3)

Spacing _____

Material _____

Page Ref. Manual _____

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.

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MAY 16 1984

REVEGETATION

OIL & GAS DIVISION

DEPT. OF MINES

Treatment Area I

Treatment Area II

Line _____ Tons/acre
or correct to pH 6.5

Line _____ 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

10/06/2023

*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

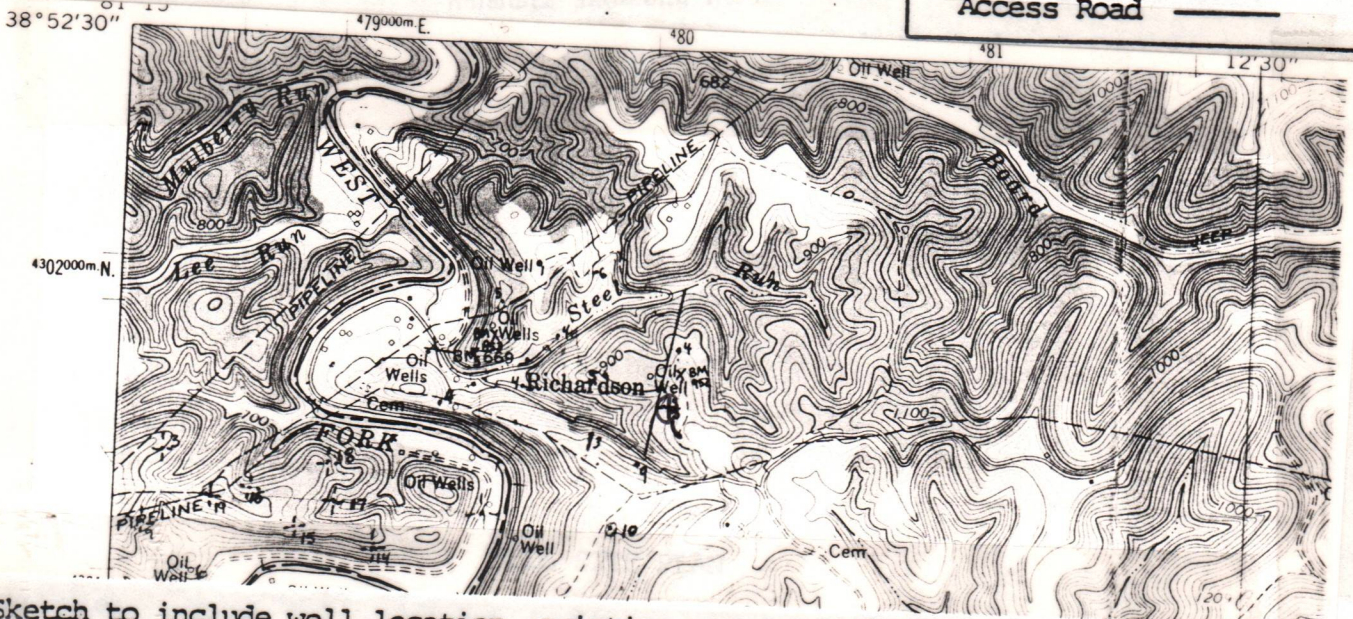
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

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

LEGEND











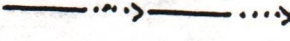
Well Site 

Access Road 



Sketch to include well location, existing access road, roads to be constructed, wellsite, 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 	Wet spot 
Planned fence 	Building 
Stream 	Drain pipe 
Open ditch 	Waterway 