

THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____

DRILLING CONTRACTOR: (If Known)

RESPONSIBLE AGENT:

NAME WBC Explorations & Development

NAME William E. Carpenter

ADDRESS PNB Square, Parkersburg WV

ADDRESS PNB Square, Parkersburg WV

TELEPHONE 304-424-6400

TELEPHONE 304-424-6400

ESTIMATED DEPTH OF COMPLETED WELL: 2,000'

ROTARY X CABLE TOOLS _____

PROPOSED GEOLOGICAL FORMATION: Engun

TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16	<u>20'</u>	<u>20'</u>	
13 - 10			
9 - 5/8			
8 - 5/8	<u>650'</u>	<u>650'</u>	<u>To Surface</u>
7			
5 1/2			
4 1/2	<u>2,000'</u>	<u>2,000'</u>	<u>As Needed</u>
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS Unknown FEET SALT WATER Unknown FEET

APPROXIMATE COAL DEPTHS 836'

IS COAL BEING MINED IN THE AREA? Yes BY WHOM? Hill Enterprise, Inc.

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for Hill Enterprises Inc Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the Hill Enterprises Inc Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

Hill Enterprises Inc.
For Coal Company
Michael J. Hill President
Official Title

Date 10/6/1980
Well No. N-11
API No. 47 - 067 - 0559
State County Permit

428-3471

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS

Company Name WBC Exploration & Dev. Designated Agent William E. Carpenter
Address Parkersburg WV 26101 Address Parkersburg WV 26101
Telephone 304/424-6400 Telephone 304/424-6400
Landowner Miriam Backus Soil Cons. District E1K

Revegetation to be carried out by WBC Exploration & Dev. (Agent)

This plan has been reviewed by E1K SCD. All corrections and additions become a part of this plan. 10-16-80 Vance Sashy
(Date) (SCD Agent)

Access Road
Structure Culvert (A)
Spacing 12" min
Page Ref. Manual _____
Structure _____ (B)
Spacing _____
Page Ref. Manual _____
Structure _____ (C)
Spacing _____
Page Ref. Manual _____

Location
Structure Diversion Ditches (1)
Material Earthen
Page Ref. Manual I-11
Structure Siltation Barrier (2)
Material Straw Covered/chicken wire
Page Ref. Manual NA
Structure _____
Material _____
Page Ref. Manual _____

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OCT 21 1980

All structures should be inspected regularly and repaired if necessary.

Revegetation

OIL & GAS DIVISION
DEPT. OF MINES

Treatment Area I
Lime _____ Tons/acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch (Hay) 2 Tons/Acre
Seed* Ky 31 - 30 lbs/acre
Weeping Lovegrass - 3 lbs/acre
*Crownvetch - 15 lbs/acre

Treatment Area II
Lime _____ Tons/Acre
or correct to pH 6.5
Fertilizer 600 lbs/acre
(10-20-20 or equivalent)
Mulch (Hay) 2 Tons/Acre
Seed* Ky 31 - 30 lbs/acre
Weeping Lovegrass - 3 lbs/acre
Birdsfoot Trefoil - 10 lbs/acre

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

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OIL & GAS DIVISION
DEPT. OF MINES

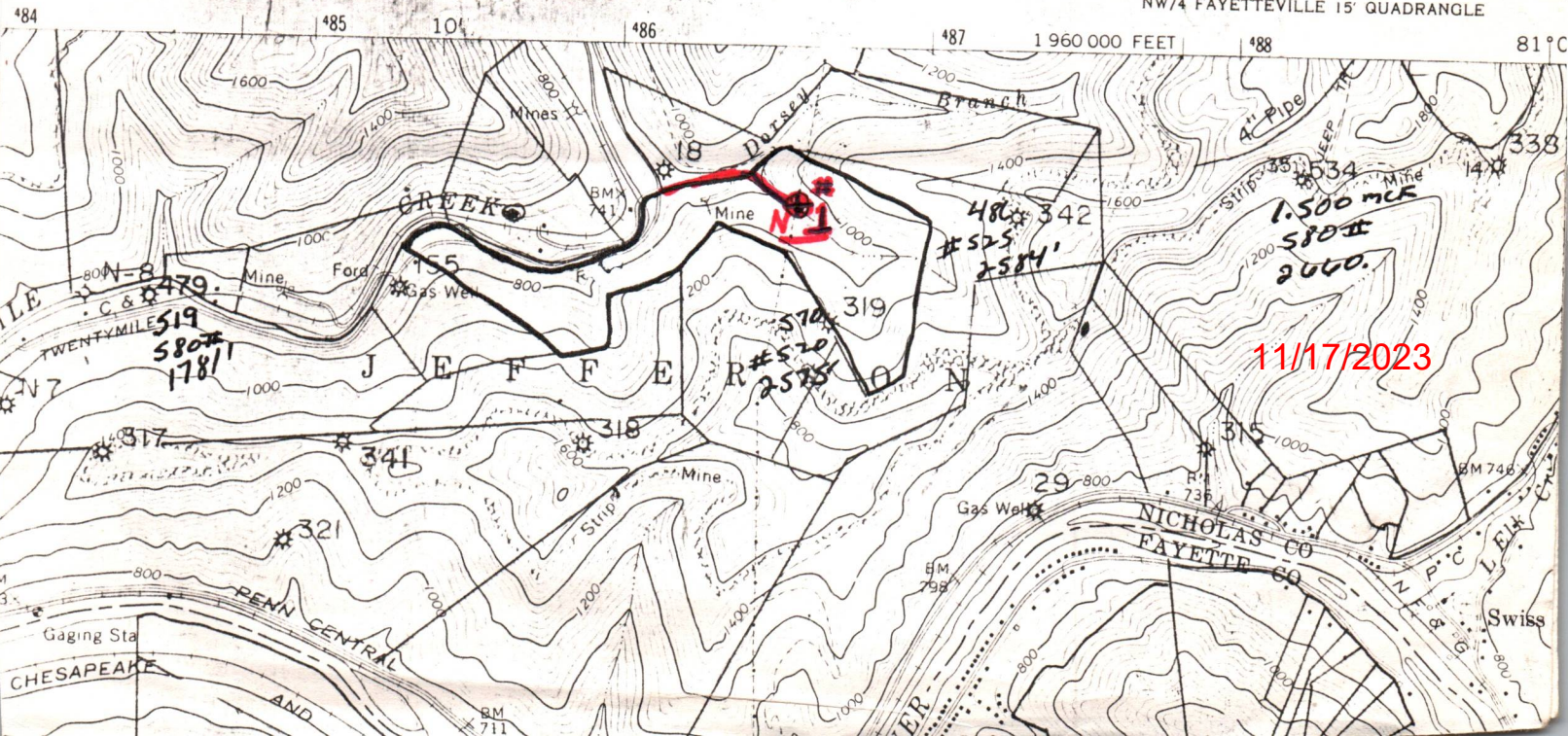
Attach or photocopy section of involved Topographic map.

Quadrangle Gauley Bridge

GAULEY BRIDGE QUADRANGLE
WEST VIRGINIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 FAYETTEVILLE 15' QUADRANGLE

THE
GEOLOGICAL SURVEY
ENCLOSURES

Well Site
Access Road

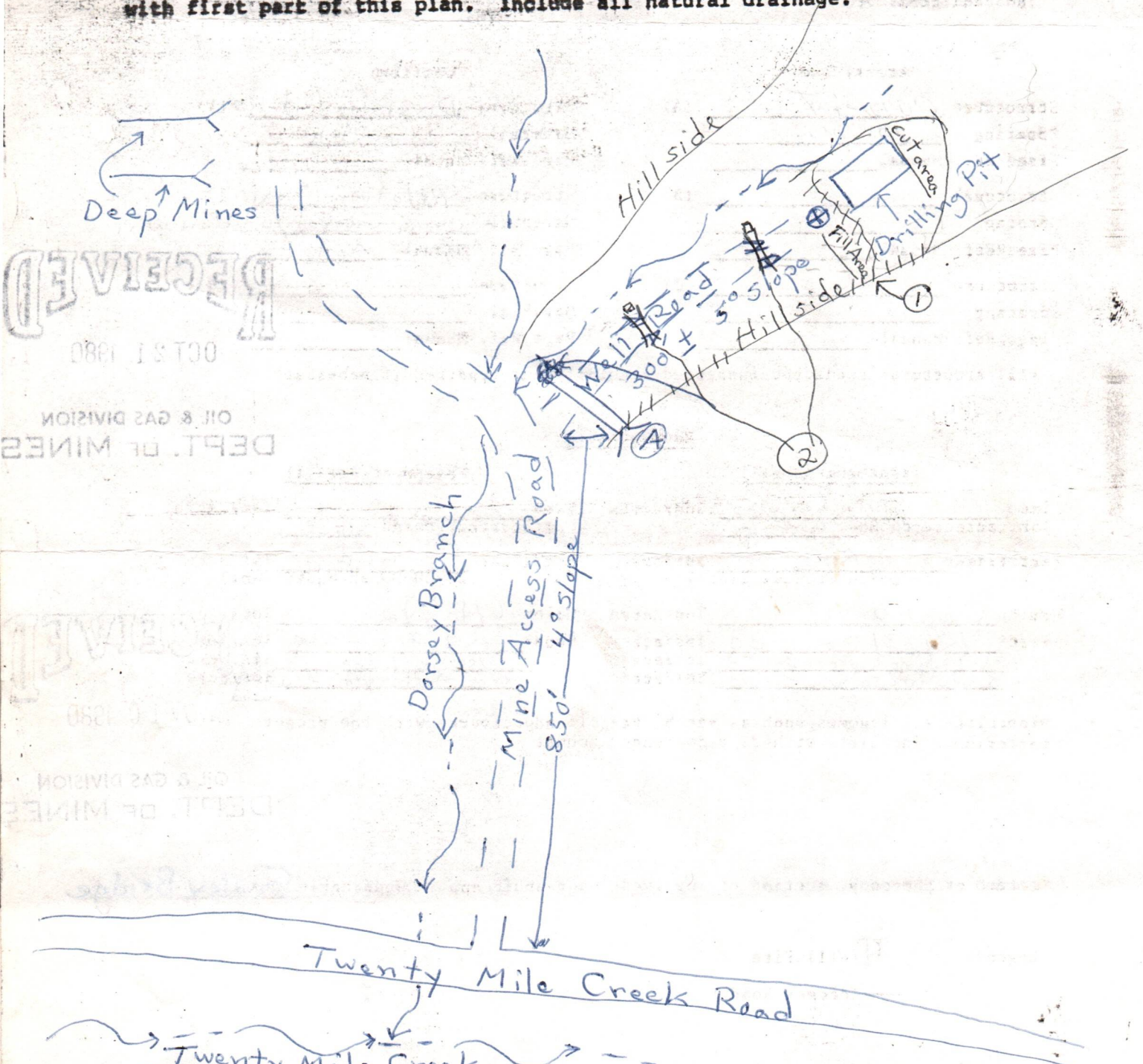


Well Site Plan

Legend: Property Boundry Road Existing Fence Planned Fence Stream Open Ditch

Diversion Spring Wet Spot Building Drain Pipe Waterway

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



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OIL & GAS DIVISION

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OIL & GAS DIVISION

Comments: Seed mixture II used on all cuts fill areas and slopes over 15°
Cuts will be on a 2:1 slope or less. Diversion ditch along road will be maintained after construction completed. Seeding to be done within 6 months of well completion
 Signature: William C. Carpenter NB Square Parkersburg WV 304-424-6400
 Agent Address Phone Number
 11/17/2023

Please request landowners cooperation to protect new seeding for one growing season.

RECEIVED

FEB 23 1981

OIL & GAS DIVISION
DEPT. OF MINES

067-0559

Pineville W.Va.

February 20, 1981

Dear Fred.

I wen't to twenty mile Creek of Nicholas county today to check on the pollution complaint you received from Mr Mike Hill.

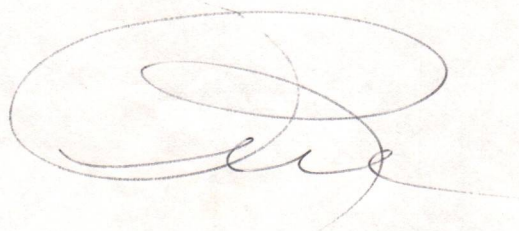
The well where the pollution occurred, was drilled by W.B.C. Exp. & Dev.co. of Parkersburg W.V. Permit #47-067-0559, a coal haul road of Mr. Hills was used to get to the location.

Due to the warm weather, thawing had begun and along with some rain the road was ruttet out to some extent when W.B.C. moved the service rig and Frac. trucks in to finish up the well, however pickups were still able to get over it and Mr Hill continued to haul coal, **BBB** but he got quite mad at W.B.C.

The Pit for the well was built close a small stream, which was dry when the well was drilled, but due to the rainfall it got quite a lot of water in it, which was washing at the base of the pit, to keep it from washing out all at once they drained the pit and built a new one near the high wall.

When Mr. Hill saw what they were doing he called Mr. Johnson who gave them a ticket for polluting and carrying mud out on the hard road. and had then to haul crushed stone for the haul road (which they were still doing today)

This is about all I could find out and it was from W.B.C. men. but after looking over the situation it confirmed what they told me.



11/17/2023



State of West Virginia

Department of Mines
Oil and Gas Division

Charleston 25305

OGC-0208

WALTER N. MILLER
DIRECTOR

TO: Walter N. Miller, Director
FROM: *Tom H.* Thomas E. Huzzey, Administrator
RE: Well No. 47-067-0559 - Spill

DATE: February 24, 1981

On February 20, 1981, Inspector Rue Schoolcraft investigated a televised report of a spill at well No. 47-067-0559.

Mr. Schoolcraft found that the installation had been made in compliance with the plan submitted to and approved by the Soil Conservation District. The pit had received more fluid from rain and run-offs than was anticipated in the construction, and as a result the retaining wall was taken out. The material in the pit was basically water and some nitrogen compound resulting from the fracture treatment. The fracturing basically was that of a water, nitrogen and sand treatment to open the reservoir for production.

The retaining wall has been re-built and the well now awaits installation of tubing before being placed into production.

The problem was reported by the Hill Enterprise Coal Company that is operating in the area.

TEH/rf
cc: Rue Schoolcraft

11/17/2023



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
CHARLESTON
25305

Oil & Gas



**RETURN TO SENDER
UNDELIVERABLE AS ADDRESSED
NO FORWARDED ORDER ON FILE**

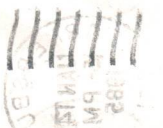
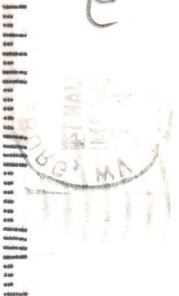
W.B.C. Exploration & Development, Inc.
Suite 3000, P.N.B. Square
Parkersburg, West Virginia 26101



47-067-0559

Letters for Final Shop 7-9-85

No other address available



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JUN 12 1981

MAR 24 1981

OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

R. H. Whipkey

Rotary Oil _____
Cable _____ Gas _____
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Gauley Bridge 7 1/2"

Permit No. 47-067-0559

Company WBC Exploration & Development
Address Suite 3000, P.N.B.Sq., Parkersburg, WV
Farm Backus Acres 121.01
Location (waters) Twenty Mile Creek
Well No. N-1 Elev. 812.46'
District Jefferson County Nicholas
The surface of tract is owned in fee by _____
Miriam Backus
Address P. O. Box 44, Belva, WV 26656
Mineral rights are owned by Same
Address _____
Drilling Commenced 1-16-81
Drilling Completed 1-23-81
Initial open flow NA cu. ft. _____ bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond. 16"	37'		
13-10" 11 3/4	145'	145'	Rig Crew (1-18-81)
9 5/8			
8 5/8	570'	570'	200 Sks.-Halliburton (1-19-81)
7			
5 1/2			
4 1/2	-	1900'	
3			
2			
Liners Used			

Attach copy of cementing record.

Coal was encountered at _____ Feet _____ Inches
Fresh water 260', 425', 643', 1048' Feet _____ Salt Water _____ Feet _____
Producing Sand Injun Depth 1798 - 1804 1812 - 1816
7 h 9 h

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Formation Depths Taken From Driller's Log Book --						
Soil Sand			0	30		
Sand			30	113		
Sand and Shale			113	150		
Sand			150	396		1 1/2" Stream Water @ 260'
Sand and Shale			396	422		
Salt Sand			422	518		2" Stream Water @ 425'
Shale			518	-		
Formation Depths Taken From Gamma Ray Log -- EKB 822' --						
Shale			-	604		
Salt Sand			604	858		1" Stream Water @ 643'
Shale and Sand			858	912		
Shale			912	1038		
Sand			1038	1077		1 1/2" Stream Water @ 1048'
Shale			1077	1148		
Sand			1148	1188		
Red Rock and Shale			1188	1300		
Shale and Lime			1300	1432		
Little Lime			1432	1458		

11/17/2023

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Shale			1458	1474		
Big Lime			1474	1566		
Injun			1566	1820		
Shale			1820	-		
TOTAL DEPTH			-	1948		

Well Logged By Allegheny Nuclear Surveys

Initial Open Flow - NA

11/17/2023

Date 6, 8, 19 81

APPROVED WBC Exploration & Development, Inc. Owner
W. E. Carpenter President

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

RECEIVED

JAN 27 1981

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

Permit No. 47-067-0559

Oil or Gas Well _____
(KIND)

Company <u>W. B. C. Exp & Dev.</u>	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
	Address <u>Parkersburg WV</u>	Size		
Farm <u>BADUS</u>	16	<u>37</u>		Kind of Packer _____
Well No. <u>N-1</u>	13			
District <u>Dollison</u> County <u>Nicholas</u>	10 <u>11 3/4"</u>	<u>145</u>		Size of _____
Drilling commenced _____	8 3/4	<u>545'</u>		Depth set _____
Drilling completed _____ Total depth _____	6 3/8			
Date shot _____ Depth of shot _____	3			Perf. top _____
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top _____
Volume _____ Cu. Ft.				Perf. bottom _____
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED <u>8 5/8"</u> SIZE <u>545</u> No. FT. <u>2081</u> Date _____			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY <u>Halliburton</u>			
<u>From 511 Rose 20'-46'</u>	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Fresh water <u>260</u> feet <u>643</u> feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Whipkey Drilling Co.

Remarks: Salt Sand 411-520'
545' 8 5/8" w/5 hoe, Centvolizers, Cement Basket @ 45' 200 lbs meet Cement w/3% diesel 1/4" Collo Plate per sk. Circulated

1-20-81
DATE
Die Scholten
Check Report for 1-23-81
DISTRICT WELL INSPECTOR

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: _____

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

DATE

11/17/2023
DISTRICT WELL INSPECTOR

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

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JAN 27 1981

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

Permit No. 47-067-0559

Oil or Gas Well _____
(KIND)

Company <u>W. B. C. Exp & Dev.</u>	CASING AND TUBING	USED IN DRILLING	Left in Well	PACKERS
Address <u>Parkersburg W.V.</u>	Size			
Farm <u>BRADUS</u>	16			Kind of Packer _____
Well No. <u>N-1</u>	13			
District <u>Jefferson</u> County <u>Nicholas</u>	10			Size of _____
Drilling commenced _____	8 1/4	<u>545</u>		
Drilling completed _____ Total depth _____	6 3/4			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used _____			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water <u>643'</u> feet <u>1 1/2" stream</u> feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names After they drilled out of the 8 7/8" they hit water 5' below, and it continued to increase; I had them to squeeze cement and it held to 643'. (Coal seams were expected down to approx. 800' but did not show up on geolograph, or pit. ~~and~~ did not want to run another string of casing until we were sure

DATE 1-23-81. over [Signature]
DISTRICT WELL INSPECTOR 11/17/2023

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
<p><i>They completed the hole, and are going to run 4 1/2" casing and cement to surface. I agreed to let them perforate and fracture through the 4" and then 2 3/8" tubing will be run with a packer and it will be cemented into the 4 1/2"</i></p>				
<p><i>Dec 1,</i></p>				

Drillers' Names _____

Remarks: _____

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

DATE

11/17/2023
 DISTRICT WELL INSPECTOR

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

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JUL 15 1981

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

Permit No. 67-389

Oil or Gas Well _____
(KIND)

Company W.B.C. Corp

Address _____

Farm Baopus

Well No. 1

District Jefferson County Nicholas

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:

*reclaimed good, surface owner & coal operator satisfied.
not sealed (HILL)*

7/9/81

DATE

10 er MARR 11/17/2023

DISTRICT WELL INSPECTOR



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NOV 21 1984
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
July 27, 1984

COMPANY W.B.C. Exploration & Development, Inc. PERMIT NO 067-0559

Suite 3000, P.N.B. Square

FARM & WELL NO Backus #N-1

Parkersburg, West Virginia 26101

DIST. & COUNTY Jefferson/Nicholas

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 Craig Duckworth
DATE 11/16/84

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. Abbott

Administrator-Oil & Gas Division

January 9, 1985

DATE

RECEIVED
MAY 2 1904
OIL & GAS DIVISION
DEPT. OF MINES



STATE OF TEXAS
DEPARTMENT OF MINES
OIL & GAS DIVISION
HOUSTON, TEXAS

Warrant for the Exploration, Development, Production and Operation of an Oil Well in the State of Texas

Know all men by these presents that the undersigned, *[Name]*, of the County of *[County]*, State of Texas, for and in behalf of *[Company]*, do hereby certify that the following is a true and correct copy of the original of the same as the same appears in the files of the Department of Mines, State of Texas:

[Faint, mostly illegible text of the warrant document, likely containing well details and legal clauses.]

Witness my hand and seal of office this *[Date]* day of *[Month]*, 19*[Year]*.

[Signature]
Commissioner of the Department of Mines, State of Texas

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[Faint text at the bottom of the page, possibly a footer or additional notes.]

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APR 16 1981
DEPT. OF MINE & GAS DIVISION

1.0 API well number: (If not available, leave blank. 14 digits.)	47-67-559			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA	NA Category Code		
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	1950 feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	WBC Exploration & Development Inc. NA Name Seller Code P.O. Box 927 Street Parkersburg WV. 26101 City State Zip Code			
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Backus N-1 Field Name Nicholas WV. County State			
(b) For OCS wells:	Area Name Block Number Date of Lease: 11/2/81 Mo. Day Yr. OCS Lease Number			
(c) Name and identification number of this well: (35 letters and digits maximum.)	Backus N# 1			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)				
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Roaring Fork Gas Corp. NA Name Buyer Code			
(b) Date of the contract:	01/2/81 Mo. Day Yr.			
(c) Estimated annual production:	200 MMcf.			
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	(a) Base Price (\$/MMBTU) 2.363	(b) Tax 0.361	(c) All Other Prices [Indicate (+) or (-).] -----	(d) Total of (a), (b) and (c) 2.724
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	-----	-----	-----	-----
9.0 Person responsible for this application:	William E. Carpenter President Name Title x William E. Carpenter Signature 3-29-81 304-295-8527 Date Application is Completed Phone Number			

Agency Use Only
Date Received by Juris. Agency APR 16 1981
Date Received by FERC

11/17/2023

PARTICIPANTS:

DATE: JUN 25 1981

BUYER-SELLER CODE

WELL OPERATOR: WBC Explorations & Development Inc.

NA

FIRST PURCHASER: Roaring Fork Gas Corp.

NA

OTHER:

W. Va. Department of Mines, Oil & Gas Division
WELL DETERMINATION FILE NUMBER
81-4-16 -103-067 = 0559
Use Above File Number on all Communications
Relating to Determination of this Well

ck. map 1000'
sk. gas
No GOR

Qualifies Ithazey

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1. FERC -121 1 Items not completed - Line No. 7.0 C, 8.0 A11
2. IV-1 Agent William E. Carpenter
3. IV-2 Well Permit
4. IV-6 Well Plat
5. IV-35 Well Record Drilling Deepening
6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? Ratio
7. IV-39 Annual Production years
8. IV-40 90 day Production Days off line:
9. IV-48 Application for certification. Complete?
10-17. IV Form 51 - 52 - 53 - 54 - 55 - 56 - 57 - 58 Complete? Affidavit Signed
18-28. Other: Survey Logs Geological Charts
Structure Map 1: 4000 Map Well Tabulations
Gas Analyses
(5) Date commenced: 1-16-81 Date completed 1-23-81 Deepened
(5) Production Depth: 1798-1816
(5) Production Formation: Injun
(5) Final Open Flow: 919 MCF
(5) After Frac. R. P. 450 # 4-1/2 hrs.
(6) Other Gas Test:
(7) Avg. Daily Gas from Annual Production:
(8) Avg. Daily Gas from 90-day ending w/1-120 days
(8) Line Pressure: PSIG from Daily Report
(5) Oil Production: From Completion Report
10-17. Does lease inventory indicate enhanced recovery being done NO
10-17. Is affidavit signed? Notarized?
Does official well record with the Department confirm the submitted information? yes
Additional information Does computer program confirm?
Was Determination Objected to By Whom?

1/17/2023

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

Date 1-21-1981

Operator's Well No. N-1

API Well No. 47 - 67 - 559
State County Permit

APR 19 1981

WELL CLASSIFICATION FORM

OIL & GAS DIVISION
DEPT. OF MINES

NEW ONSHORE PRODUCTION WELL

NGPA Section 103

DESIGNATED AGENT William E. Carpenter

ADDRESS P.O. Box 927
Parkersburg, WV. 26101

WELL OPERATOR WBC Exploration & Dev. Inc.

LOCATION: Elevation 812.46

ADDRESS P.O. Box 927
Parkersburg, WV. 26101

Watershed Twenty Mile Creek

Dist Jefferson County Nicholas Quad. Gavley Bridge

GAS PURCHASER Roaring Fork Gas Corp.

Gas Purchase Contract No. RF4-217

ADDRESS P.O. Box 3752
Charleston, WV. 25337

Meter Chart Code NA
Date of Contract 1-21-81

* * * * *

Date surface drilling was begun: 1-16-81

Indicate the bottom hole pressure of the well and explain how this was calculated: 7

AFFIDAVIT

I, William E. Carpenter, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

W. E. Carpenter

STATE OF WEST VIRGINIA,

COUNTY OF Wood, TO WIT:

I, Richard D. Mandrake Notary Public in and for the state and county aforesaid, do certify that William E. Carpenter whose name is signed to the writing above, bearing date the 21 day of January, 1981, has acknowledged the same before me, in my county aforesaid.

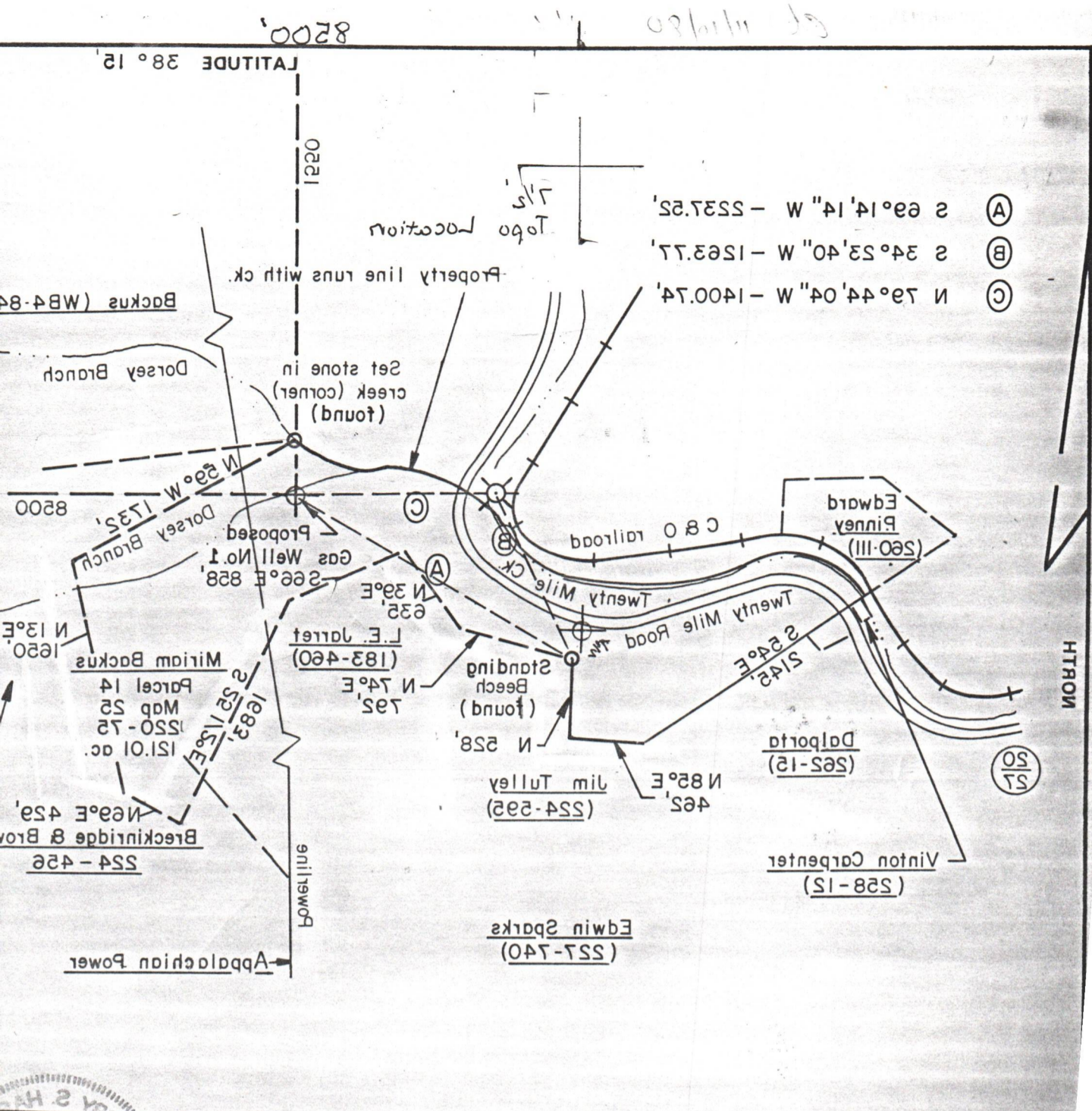
Given under my hand and official seal this 21 day of January, 1981.

My term of office expires on the 18 day of January, 1990.

[NOTARIAL SEAL]

Richard D. Mandrake
Notary Public

11/17/2023



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 in 2500
 PROVEN SOURCE OF ELEVATION U.S.G.S. Standard
 Table Elevation 740.668

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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) _____ L.L.S.

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 812.46 WATER SHED Twenty Mile Creek
 DISTRICT Jefferson
 QUADRANGLE Gouley Bridge
 SURFACE OWNER Miriam Backus
 OIL & GAS ROYALTY OWNER Landon Backus
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 TARGET FORMATION Injun Sand
 WELL OPERATOR WBC Exploration & Dev. DESIGNATED AGENT William E. Carpenter
 ADDRESS Suite 3000, PNB Square Parkersburg, WV 26101
 CLEAN OUT AND REPLUG _____
 ESTIMATED DEPTH 3000'
 STATE _____ COUNTY _____
 OPERATOR'S WELL NO. _____
 DATE October, 20 _____