



- Fracture....
- Redrill.....
- New Location.
- Drill Deeper.....
- Abandonment.....

Source of Elevation WELL 8206, ELV. 1327'

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Minimum accuracy, one part in 200

Company ALLEGHENY LAND & MINERAL CO.

Address CLARKSBURG, W.VA. 26301

Farm G. L. WHITE

Tract _____ Acres 198 Lease No. _____

Well (Farm) No. 5 Serial No. A-453

Elevation (Spirit Level) 1171'

Quadrangle VADIS SE 2^d

County LEWIS District FREEMANS CK.

Engineer R. D. McWilliams

Engineer's Registration No. 105 L.L.S.

File No. 221/39 Drawing No. _____

Date 3-25-72 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. Lew-1854

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

3-3 Murphy Creek (150)
 a Freemansburg

Deep Well (Helderberg)
 APR 19 1972
 Lew 1854



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

Rotary Oil _____
Cable _____ Gas G. NO. 2
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Quadrangle Vadis SE 2 3

Permit No. Lew-1854

Company Allegheny Land & Mineral Co.
Address Clarksburg, W. Va.
Farm C.L. White Acres 198
Location (waters) Burnside Run of Creek
Well No. A-453 Elev. 1171
District Freemans Creek County Lewis
The surface of tract is owned in fee by O.E. White

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 20"	14'	14'	
13-10" 13"	210'	210'	-125
9 5/8	1637'	1637'	-560
8 5/8			
7			
5 1/2			
4 1/2	7247'	7247'	-220
3			
2			
Liners Used			

Address Route 2 Camden, W. Va.
Mineral rights are owned by Same
Address _____

Drilling Commenced June 7, 1972
Drilling Completed July 3, 1972
Initial open flow 80,000 cu. ft. _____ bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

Well treatment details:

Attach copy of cementing record.

Fractured 7-18-72 By Halliburton

1042 M
Rock Pres. 2450# 72 hr.

Coal was encountered at None Feet _____ Inches _____
Fresh water Show Feet 350 Salt Water _____ Feet _____
Producing Sand Chert Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	40		
Sand & slate			40	515	Water 350	- Show
Sand	-		515	540		
Shale	-		540	593		
Sand	-		593	669		
Sand & shale	-		669	1402	4 1/2" Casing perforated:	
Big Lime	-		1402	1465	.45" hole size- 1 each at	
Big Injun	-		1465	1574	following depths-	
Sand & Shale	-		1574	2055	6896	6924 6975
Gordon sand	-		2055	2120	6897	6925 6979
Shale	-		2120	2282	6907	6926 6980
5th sand	-		2282	2310	6908	6927 6981
Shale	-		2310	4290	6910	6940 6982
Benson sand	-		4290	4304	6912	6944 6984
Shale	-		4304	6634	6913	6984
Tulley Lime	-		6634	6674		
Shale	-		6674	6838		
Onondaga Lime	-		6838	6874		
Chert	-		6874	7096		
Oriskany	-		7096	7194		
Helderberg	-		7194	7260		
Total depth	-			7260		

RECEIVED
AUG 1 1972

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division
WELL RECORD

Quadrangle Vadi 58.2³

Permit No. Lev-1854

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

Company Allegheny Lead & Mineral Co.
Address Clarksburg, W. Va.
Farm C.L. White Acres 198
Location (waters) Burnside Run of Creek
Well No. A-453 Elev. 1171
District Freemans Creek County Lewis
The surface of tract is owned in fee by C.L. White

Address Route 2 Camden, W. Va.
Mineral rights are owned by Same
Address _____

Drilling Commenced June 7, 1972
Drilling Completed July 3, 1972
Initial open flow 80,000 cu. ft. _____ bbls.
Final production _____ cu. ft. per day _____ bbls.
Well open _____ hrs. before test _____ RP.

Well treatment details:

Fractured 7-18-72 By Halliburton

1042 M

Rock Pres. 2450# 72 hr.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 20"	14'	14'	
13-10" 13"	210'	210'	-125
9 5/8	1637'	1637'	-560
8 5/8			
7			
5 1/2			
4 1/2	7247'	7247'	-220
3			
2			
Liners Used			Cemented to 6550

Attach copy of cementing record.

Coal was encountered at None Feet _____ Inches
Fresh water Show Feet 350 Salt Water _____ Feet
Producing Sand Chert - Huntersville Depth 6896 - 6984

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	40		
Sand & slate			40	515	Water 350	- Show
Sand			515	540		
Shale			540	593		
Sand			593	669		
Sand & shale			669	1402	4 1/2" casing perforated:	
Big Lime			1402	1465	.45" hole size - 1 each at	
Big Injun			1465	1574	following depths -	
Sand & Shale			1574	2055	6896 6924 6975	
Gordon sand			2055	2120	6897 6925 6979	
Shale			2120	2282	6907 6926 6980	
5th sand			2282	2310	6908 6927 6981	
Shale			2310	4290	6910 6940 6982	
Benson sand			4290	4304	6912 6944 6984	
Shale			4304	6634	6913 6974	
Tulley Lime			6634	6674		
Shale			6674	6838		
Onondaga Lime			6838	6874		
Chert - Huntersville			6874	7096		
Oriskany			7096	7194		
Helderberg			7194	7260		
Total depth				7260		

all in Huntersville chert

RECEIVED
JUL 21 1972

7260
4304
2956 explor. footage

(over)

* Indicates Electric Log tops in the remarks section.

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks

Date August 7, 1972

APPROVED Allegheny Land & Mineral Co., Owner

By Claron Dawson, Supt.

(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE April 5, 1972

Surface Owner O. E. White

Company Allegheny Land and Mineral Company

Address Route 2, Camden, W. Va. 26338

Address Box 1479, Clarksburg, W. Va. 26301

Mineral Owner O. E. White, et al.

Farm G. L. White Acres 198

Address Route 2, Camden, W. Va. 26338

Location (waters) Burnside Run of Freemans Creek

Coal Owner same

Well No. A 453 Elevation 1171'

Address _____

District Freemans Creek County Lewis

Coal Operator none

Quadrangle VADIS S. E.

Address _____

THIS PERMIT MUST BE POSTED AT THE WELL SITE
All provisions being in accordance with Chapter 22,
of the W. Va. Code, the location is hereby approved
for drilling. This permit shall expire if
operations have not commenced by Aug. 7, 1973.

INSPECTOR TO BE NOTIFIED
Buckner, WVA PH: 472-6418

Paul Thomas

Robert B. Todd
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated see attached sheet 9 by _____ made to _____ and recorded on the _____ day of _____ 19____, in _____ County, Book _____ Page _____

XX NEW WELL _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE
_____ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address _____ day _____ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, ALLEGHENY LAND AND MINERAL COMPANY

(Sign Name) By: *Paul Thomas*
Manager ^{Well Operator} of Land, Lease and R/W

Address of Well Operator
P. O. Box 1479 Street
Clarksburg, City or Town
West Virginia 26301 State

*SECTION 3 If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

Lew - 1854 PERMIT NUMBER

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

PROPOSED WORK ORDER TO XX DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Burtner-Morgan-Stephens _____ NAME Allegheny Land and Mineral Company _____
 ADDRESS Box 428, Wooster, Ohio, 44691 _____ ADDRESS Box 1479, Clarksburg, W. Va. 26301 _____
 TELEPHONE _____ TELEPHONE 624-7659 _____
 ESTIMATED DEPTH OF COMPLETED WELL: 7200 _____ ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany _____
 TYPE OF WELL: OIL _____ GAS XX COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16	20'	20'	cement to surface
13 - 10 <u>13 3/8"</u>	400'	400'	cement to surface
9 - 5.8	1800'	1800'	cement to surface
8 - 5.8			
7			
5 1/4			
4 1/2	7200'	7200'	Cement to 100' above the Oriskany sand
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

60' and possibly 600' from old records

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS This location is below the workable coal beds in this area.
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

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 _____ 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 _____ 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.

For Coal Company

Official Title