



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

Source of Elevation RD. INTERSECTION AT CORE B.M. 987'

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	CHRISMAN DRILLING COMPANY
Address	500 MANRANDA RD., PITTSBURGH
Farm	ALPHEUS HENDERSON
Tract	160.6 Acres 320 Lease No. 15297
Well (Farm) No.	2 Serial No.
Elevation (Spirit Level)	1305'
Quadrangle	BLACKSVILLE NE 31+15
County	MONONGALIA District CLAY
Engineer	<i>R. A. McWilliam</i>
Engineer's Registration No.	L.L.S. NO. 105
File No.	234/66 Drawing No.
Date	2/6/81 Scale 1" = 500'

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

WELL LOCATION MAP
FILE NO. 47-061-0616

+ Denotes location of well on United States Topographic Maps, scale 1 to 24,000, latitude and longitude lines being represented by border lines as shown.

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

5-5 Mooresville (65)

MAR 23 1981



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

WELL RECORD 16

Quadrangle Blacksville NE 3¹

Permit No. 47-061-0616

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

Company Chrisman Drilling Company
Address 500 Miranda Road
Pittsburgh, PA 15241
Farm Henderson Acres 320
Location (waters) Pedlar Run
Well No. 1 Elev 1305
District Clay County Monongalia
The surface of tract is owned in fee by _____
Bruce Henderson
Address Core, WV 26529
Mineral rights are owned by Henderson Hrs.
Address Core, WV 26529
Drilling Commenced 1/20/81
Drilling Completed 1/28/81
Initial open flow 75 m cu. ft. - _____ bbls.
Final production 500 m cu. ft. per day - _____ bbls.
Well open 8 hrs. before test 200# RP.
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 13-10"			
9 5/8	30'	30'	
8 5/8	878'	878'	Cement to Surface.
7	1925'	1925'	300 ft.
5 1/2			
4 1/2	4047'	4047'	2000' cemen
3			
2			
Liners Used			

Attach copy of cementing record.

500 MCF

Coal was encountered at _____ Feet _____ Inches
Fresh water 6th Feet _____ Salt Water 1715 Feet Hole Full
Producing Sand Gordon and Balltown 3490-3560 Depth _____
3030-3240 ELIZ?

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil	Brown	Soft	0	15		
Lime	Grey	Med.	15	40		
Sand	Grey	Med.	40	160		
Slate & Lime	Grey	Med.	160	310		
Sand	Grey	Med.	310	425		
Slate & Lime	Grey	Med.	425	610		
Coal Shaft	-	-	610	616		Water 610'
Slate & Lime	Grey	Med.	616	840		
Coal Shaft	-	-	840	845		
Slate & Lime	Grey	Med.	845	1100		
Sand	Grey	Hard	1100	1215		
Slate & Lime	Grey	Med.	1215	1345		
Sand	Grey	Hard	1345	1430		
Slate & Lime	Grey	Med.	1430	1510		
Sand	Grey	Hard	1510	1575		
Slate & Lime	Grey	Med.	1575	1690		
Sand	Grey	Med.	1590	1800		

RECEIVED

MAR 10 1981

OIL & GAS DIVISION
DEPT. OF MINES

Water - 1710' - Hole Full

APR 07 1981

016-0616

Formation	Color	Hard or Soft	Top Feet ¹⁰	Bottom Feet	Oil, Gas or Water	Remarks
Slate & Lime	Grey	Med.	1800	2020		
Big Lime	Grey	Hard	2020	2170		
Big Injun	Grey	Hard	2170	2240	Water 2205'	
Slate & Lime	Grey	Med.	2240	2325		
Sand	Grey	Hard	2325	2360		
Slate & Lime	Grey	Med.	2360	2550		
Sand	Grey	Med.	2550	2780		
Broken	Grey	Med.	2780	2950		
Salte	Dark	Med.	2950	3030		
Gordon	Grey	Med.	3030	3240		
Salte	Dark	Med.	3240	3490		
Balltown	Grey	Med.	3490	3560		
Slate	Dark	Med.	3560	3890		
Riley.	Grey	Med.	3890	3920		
Slate	Dark	Med.	3920	4095		
TD			4095			

RECEIVED
 MAR 10 1981
 OIL & GAS DIVISION
 DEPT. OF MINES

Date March, 2 1981

APPROVED CHRISTIAN DRILLING COMPANY Owner
 Partner

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. 2

API Well No. 47-061-0616
State County Permi

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow)

LOCATION: Elevation: 1305 Watershed: Pedlar Run
District: Clay County: Monongalia Quadrangle: Blacksville NE 3¹

WELL OPERATOR Chrisman Drilling Company
Address 500 Miranda Road
Pittsburgh, Pa., 15241

DESIGNATED AGENT Eldon J. Haught
Address Rt.3, Box 33,
Smithville, WV, 26178

OIL & GAS ROYALTY OWNER Alpheus O. Henderson Hrs.
Address Core, WV, 26529

COAL OPERATOR Consolidation Coal Company
Address Box 100, Osage, WV, 26543

Acreage 320

SURFACE OWNER Bruce Henderson
Address Core, WV, 26529

COAL OWNER(S), WITH DECLARATION ON RECORD:

Name _____
Address _____
Name _____
Address _____
Name _____
Address _____
RECEIVED
FEB 11 1981

Acreage 87 of 320

FIELD SALE (IF MADE) TO:
Name Equitable Gas Company
Address 420 Blvd. of the Allies
Pittsburgh, Pa. 15219

OIL & GAS DIVISION
DEPT. OF MINES

OIL & GAS INSPECTOR TO BE NOTIFIED
Name William Blosser
Address PO Box 1028,
Colfax, WV, 26566

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated April 24, 1895, to the undersigned well operator from Alpheus Henderson, et ux.

[If said deed, lease, or other contract has been recorded:]
Recorded on May 21, 1895, in the office of the Clerk of the County Commission of Monongalia County, West Virginia, in Deed Book 39 at page 486. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311

TELEPHONE: (304) 348-3092

BLANKET BOND

CHRISMAN DRILLING COMPANY

Well Operator

By James A. Thum
Partner/Co-owner
Its _____

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY: ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Glenn L. Haught & Sons Address Smithville, WV, 26178

GEOLOGICAL TARGET FORMATION, Devonian Shale

Estimated depth of completed well, 4150 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 220 & 580 feet; salt, 1725 feet,

Approximate coal seam depths: 45-47, 580-590, 810-820 Is coal being mined in the area? Yes X / No

CASING AND TUBING PROGRAM

Table with columns: CASING OR TUBING TYPE, SPECIFICATIONS (Size, Grade, Weight per ft, New, Used), FOOTAGE INTERVALS (For drilling, Left in well), CEMENT FILL-UP OR SACKS (Cubic feet), PACKERS. Rows include Conductor, Fresh water, Coal, Intermediate, Production, Tubing, and Liners.

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, 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 § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

THIS PERMIT MUST BE POSTED AT THE WELL SITE where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith. 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 10-26-81.

Deputy Director, Oil & Gas Division

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee of the coal under this well location, has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19

By Its