

- Fracture
- Redrill
- New Location
- Drill Deeper
- Abandonment 4/4/71

Source of Elevation DOD-1687 ELV. 1030'

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

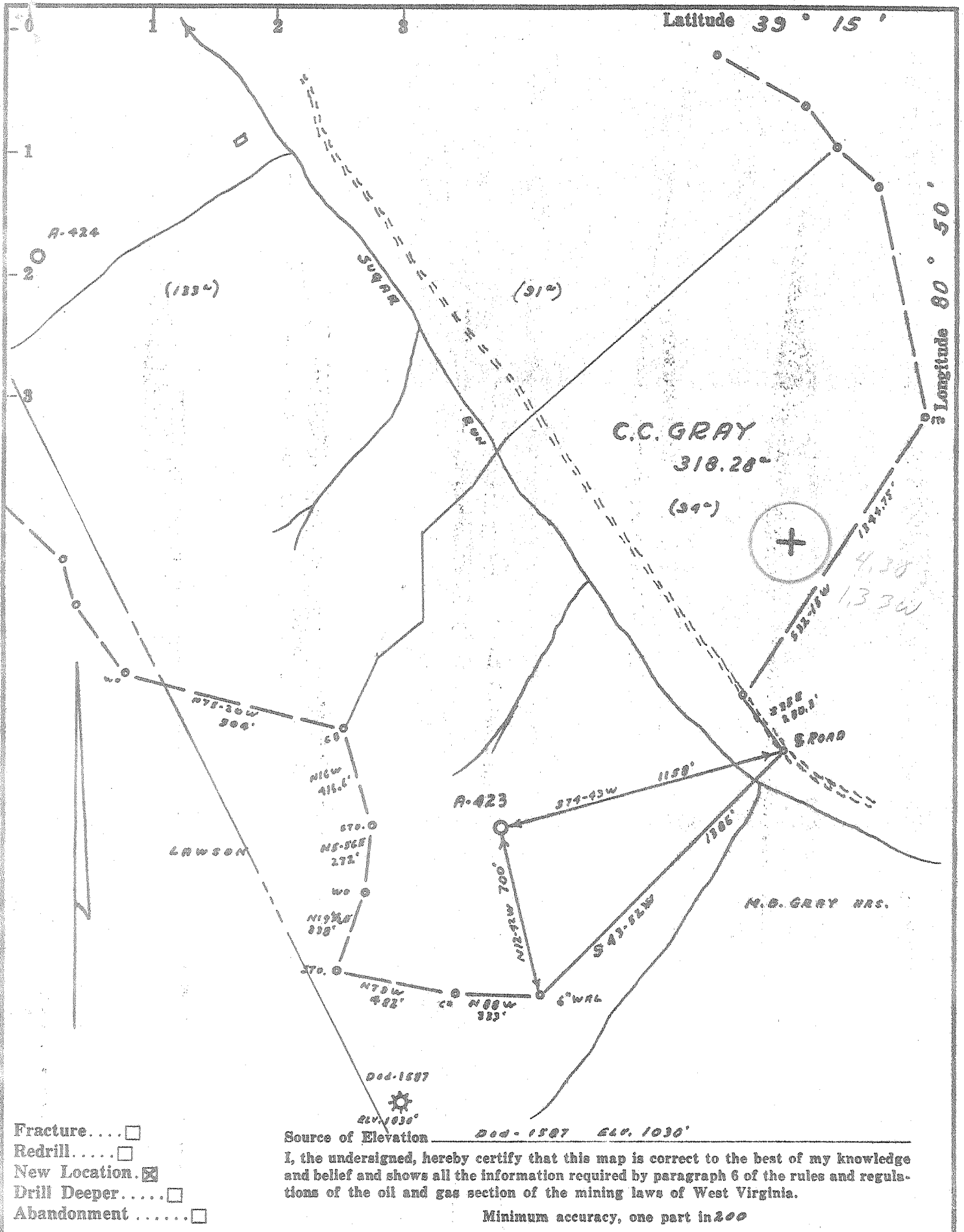
Company	ALLEGHENY LAND & MINERAL CO.
Address	CLARKSBURG, W. VA. 26301
Farm	C. C. GRAY
Tract	34 th Acres 318.28 Lease No.
Well (Farm) No.	Serial No. A-423
Elevation (Spirit Level)	1083'
Quadrangle	HOLBROOK NE 3 rd NC
County	DODDRIDGE District. SOUTHWEST
Engineer	R. D. McWilliam
Engineer's Registration No.	105 L.L.S.
File No.	216/142 Drawing No.
Date	12-10-70 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. DOD-1611-P

+ 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.



Company ALLEGHENY LAND & MINERAL CO.
 Address CLARKSBURG, W. VA. 26301
 Farm C. C. GRAY
 Tract 94° Acres 3/8.28 Lease No. _____
 Well (Farm) No. _____ Serial No. A-423
 Elevation (Spirit Level) 1083'
 Quadrangle HOLBROOK NE-3' NC
 County DODDRIDGE District SOUTHWEST
 Engineer R. D. McWilliams
 Engineer's Registration No. 105 L.L.S.
 File No. 216/192 Drawing No. _____
 Date 12-10-70 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. DOD-1611

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APR 23 1971

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION 3

Rotary
Spudder
Cable Tools
Storage
Oil or Gas Well: Any (KIND)

Quadrangle Halbrook NE 3'
Permit No. Dod-1611

WELL RECORD

Company Allegheny Land & Mineral Company
Address Clarksburg, W. Va.
Farm C.C. Gray Acres 318.28
Location (waters) _____
Well No. A-423 Elev. 1083
District Southwest County Dodderidge
The surface of tract is owned in fee by Hayward Gray
Address Allenboro, W. Va.
Mineral rights are owned by Hayward Gray
Address Allenboro, W. Va.
Drilling commenced March 29, 1971
Drilling completed April 2, 1971
Date Shot From _____ To _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16. Cemented to surface			Kind of Packer
13.	10'	10'	
10. Cemented to surface			Size of
8 1/4	467'	467'	
6 3/4			Depth set
5 3/16			
4 1/4			
3.			Perf. top
2.			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

With _____
Open Flow /10ths Water in Dry Inch _____
/10ths Merc. in _____ Inch _____
Volume _____ Cu. Ft. _____
Rock Pressure _____ lbs. _____ hrs. _____
Oil _____ bbls., 1st 24 hrs. _____

Attach copy of cementing record.
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) _____
Name of Service Co. _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES _____
FEET _____ INCHES _____ FEET _____ INCHES _____
FEET _____ INCHES _____ FEET _____ INCHES _____

WELL ACIDIZED (DETAILS) _____
WELL FRACTURED (DETAILS) _____
RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS _____
Fresh Water Show Feet 70 Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
and			0	54			
hale			54	60			
ed Rock			60	66	Fresh Water	70	Show
and			66	72			
hale			72	84			
ed Rock			84	90			
hale			90	98			
and			98	106			
ed Rock			106	115			
and			115	138			
hale			138	144			
ed Rock			144	155			
hale			155	195			
ed Rock			195	205			
hale			205	210			
ed Rock			210	222			
and			222	230			
hale			230	245			
ed Rock			245	269			
and			269	276			
hale			276	302			
and			302	306			
ed Rock			306	316			
hale			316	325			
and			325	426			
hale			426	435			
ed Rock			435	515			
and			515	542			
ed Rock			542	545			

(over)

MAY 3 1971

Formation	Color	Hard or Soft	Top 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
Sand			545	550			
Red Rock			550	555			
Sand			555	557			
Red Rock			557	560			
Sand			560	569			
Red Rock			569	576			
Sand			576	580			
Red Rock			580	600			
Sand			600	610			
Red Rock			610	630			
Shale			630	648			
Sand			648	659			
Lime			659	665			
Shale			665	720			
Red Rock			720	855			
Shale			855	865			
Sand			865	900			
Shale			900	904			
Sand			904	930			
Red Rock			930	940			
Shale			940	945			
Sand			945	950			
Shale			950	980			
Red Rock			980	1017			
Sand			1017	1062			
Shale			1062	1075			
Sand			1075	1095			
Shale			1095	1110			
Sand			1110	1140	Oil	1130	Show
Shale			1140	1151			
Sand			1151	1180			
Shale			1180	1190			
Sand			1190	1207			
Shale			1207	1240			
Sand			1240	1260			
Shale			1260	1278			
Sand			1278	1345			
Shale			1345	1355			
Sand			1355	1443			
Shale			1443	1460			
Sand			1460	1548			
Shale			1548	1560			
Sand			1560	1689			
Shale			1689	1716			
Sand			1716	1802			
Shale			1802	1852			
Sand			1851	1887			
Shale			1887	1940			
Lime			1940	1965			
Shale			1965	1975			
Lime			1975	2040			
Sand <i>Big Tinjun</i>			2040	2100			
Shale			2100	2202			
Total depth				2202	Abandoned		

Date supers April 15, 19 71

APPROVED Allegheny Land & Mineral Co. Owner

By Claron Dawson, Supt.
(Title)