

1701038P

WW-7  
5-02



West Virginia Department of Environmental Protection  
Office of Oil and Gas  
WELL LOCATION FORM: GPS

API: 47-017-01038 WELL NO.: 10618

FARM NAME: S. M. CUMBERLEDGE

RESPONSIBLE PARTY NAME: CNX GAS COMPANY LLC

COUNTY: DODDRIDGE DISTRICT: McCLELLAN

QUADRANGLE: FOLSOM 7.5'

SURFACE OWNER: STANLEY D. WILLEY, ET. AL. 1882 ROLLING AC. RD., NEW CUMBERLAND, WV. 26047

ROYALTY OWNER: PEARL MORGAN

UTM GPS NORTHING: 4,363,360.53 METERS

UTM GPS EASTING: 534,091.08 METERS GPS ELEVATION: 262.80 METERS 862.19 FT.

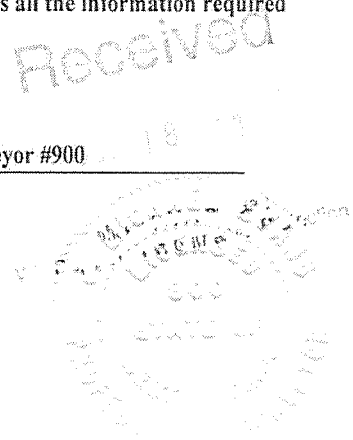
The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 Coordinate Units: meters Altitude: Height above mean sea level (MSL) - meters
2. Accuracy to Datum - 3.05 meters
3. Data Collection Method: Survey Grade GPS  : Post Processed Differential  Real-Time Differential   
Mapping Grade GPS  : Post Processed Differential  Real-Time Differential

I the undersigned hereby state this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulation issued and prescribed by the Office of Oil and Gas.

Signature J. Michael Evans Title WV Professional Surveyor #900  
J. Michael Evans, PS

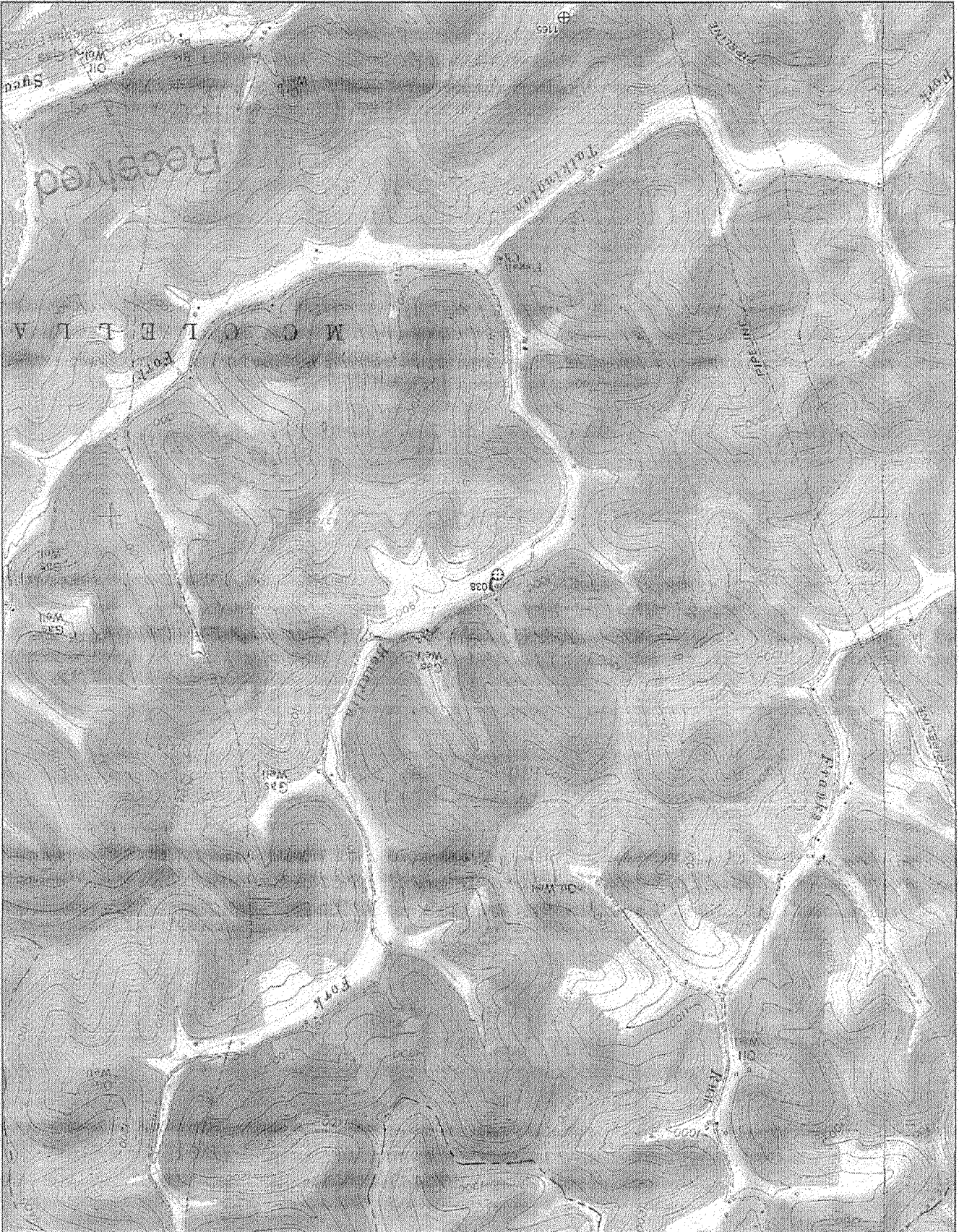
Date 05/22/13



CNX USE: NAD 27 WV NORTH SPC: 10618 = 336,639.31' 1,688,072.69' ELEV. = 862.19'



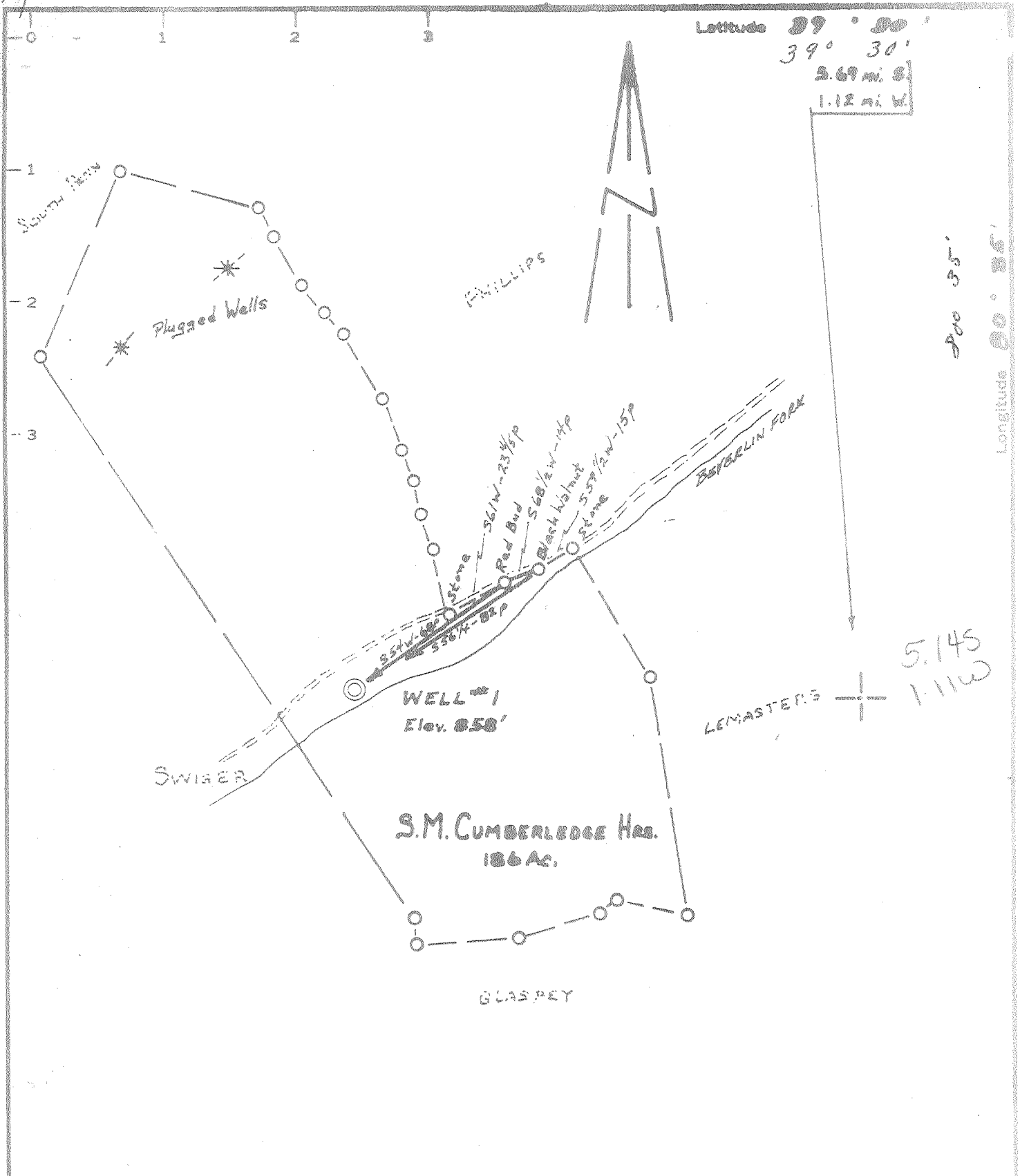
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DELORME

XMap® 7

1701038P



MINIMUM ERROR OF CLOSURE 1 P TO 200 P

SOURCE OF ELEVATION § OF ROAD AT RISGAN CHURCH (B23)

New Location    
 Drill Deeper    
 Abandonment

"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."

Company ALLEGHENY LAND & MINERAL CO.   
 Address CLARKSBURG, W. VA.   
 Farm S.M. CUMBERLEDGE HRS.   
 Tract... Acres 186 Lease No. A   
 Well Farm, No. ONE Serial No. A-226   
 Elevation (Spirit Level) 858'   
 Quadrangle CENTERPOINT NC   
 County DODDRIDGE District MACLELLAN   
 Engineer Chas Waterman   
 Engineer's Registration No. 3788   
 File No. 63039-5 Drawing No.            
 Date 7/10/63 Scale 1" = 50 P

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

WELL LOCATION MAP   
 FILE NO. DOD-1038

+ 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.



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES  
OIL AND GAS DIVISION 7

Rotary   
Spudder   
Cable Tools   
Storage

Quadrangle Centerpoint

Permit No. Dod-1038

WELL RECORD

Oil or Gas Well Gas (KIND)

Company Allegheny Land & Mineral Company

Address Clarksburg, W. Va.

Farm S. M. Cumberledge Hrs. Acres 186

Location (waters)

Well No. A-226 Elev. 858

District McClellan County Doddridge

The surface of tract is owned in fee by Ureifond

Address Halison, W. Va.

Mineral rights are owned by S. M. Cumberledge Hrs.

Address Clarksburg, W. Va.

Drilling commenced September 2, 1963

Drilling completed September 28, 1963

Date Shot From To

With

Open Flow 76 /10ths Water in 2" Inch

/10ths Merc. in Inch

Volume 368,000 Cu. Ft.

Rock Pressure Not taken hrs.

Oil Show only bbls., 1st 24 hrs.

WELL ACIDIZED

WELL FRACTURED October 4, 1963 By Dowell - Water, sand, acid.

RESULT AFTER TREATMENT 80/10 Water 4" 1,501 M

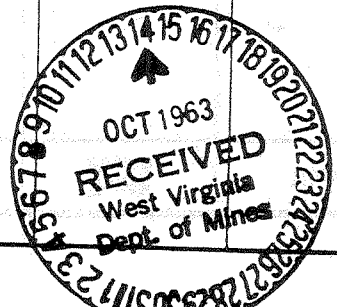
ROCK PRESSURE AFTER TREATMENT 460# 12 hr.

Fresh Water Hole full Feet 22 Salt Water Feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16	19'	19'	
13			
10	217'		Size of
8 1/2	904'		
6 1/2			Depth set
5 3/16	2006'	2006'	
3			Perf. top <u>1894.5</u>
2			Perf. bottom <u>1900.5</u>
Liners Used			Perf. top <u>1966.5</u>
			Perf. bottom <u>1972.5</u>

CASING CEMENTED 4 1/2" SIZE 306 No. Ft. 9-29-63 Date  
65 cement, 3 aquajel, 20 baroid, 3 lime  
Dowell  
COAL WAS ENCOUNTERED AT FEET INCHES  
FEET INCHES FEET INCHES  
FEET INCHES FEET INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Clay			0	25	Fresh water	22	Hole full
Red Rock			25	35			
Slate			35	85			
Red Rock			85	95			
Slate			95	148			
Sand			148	158			
Slate			158	258			
Lime			258	294			
Red Rock			294	310			
Slate			310	320			
Lime			320	385			
Slate & shells			385	633			
Sand			633	650			
Slate			650	685			
Sand			685	705			
Slate			705	710			
Lime			710	727			
Red Rock			727	775			
Slate			775	860			
Lime			860	880			
Slate			880	916			
Sand			916	945			
Slate			945	970			
Sand			970	1000			
Slate			1000	1060			
Lime			1060	1093			
Gas sand			1093	1114			
Slate & shells			1114	1170			
Lime			1170	1185			
Slate & shells			1185	1333			



Formation	Color	Hard or Soft	Top 7	Bottom	Oil, Gas or Water	Depth Found	Remarks
and			1333	1380			
late			1380	1512			
and			1512	1524			
late			1524	1627			
ed Rock			1627	1675			
late			1675	1680			
ed Rock			1680	1744			
late & shells			1744	1756			
ittle Lime			1756	1772			
late			1772	1797			
ig Lime			1797	1868			
eeney sand			1868	1878			
njun			1878	1905	Gas	1878-1882	2 1/10 W 1" 15M
reak			1905	1914			
quaw			1914	1998	Gas	1955-1970	76/10 W 2"
late			1998	2006	Oil	1970-1975	Show 36SM
otal depth				2006			
			4 1/2" casing perforated; 1966.5 to 1972.5 -- 24 shots				1797
			1894.5 to 1900.5 -- 24 shots				854
							739
Baker plug set at 1950 and well was fractured in formation above and below plug.							

Date October 10, 19 63

APPROVED Allegheny Land & Mineral Co., Owner

By Claron Dawson, Mahone, W.Va.  
(Title)