

81

FORMATIONS

NAME	TOP	BOTTOM	GAS AT	OIL AT	WATER AT (Gravel or Salt Water)	SOURCE OF DATA
Sand & Shale	0	420			FW-100	1" Stream
Sand & Shale	420	655			FW-420	1" Stream
Sand & Shale	655	825			FW-750	1" Stream
Red Rock	825	850				
Sand & Shale	850	1370				
Red Rock	1370	1410				
Sandy Shale	1410	1800				
Red Rock	1800	1850				
Shale	1850	1870				
Red Rock	1870	1890				
Sandy Shale	1890	2400				
Red Rock	2400	2460				
Sand & Shale	2460	3565	2870 (Show)			
Total Depth	3565					
<u>Gamma Ray Log Tops</u>						
Speechley Stray	2547	2599				
Speechley	2605	2672				
Tiona	2683	2724				
Balltown	2755	2864				
Sheffield	2864	2998				
1st. Brad.	3060	3154				
2nd. Brad.	3166	3234				
3rd. Brad.	3257	3276				
none	3400	3465				
T.D. Log	3576					



Date August 16, 1976

APPROVED Consolidated Gas Supply Corp

By J. E. Duggan
Title
Manager of Production

104-00-2-56

11,000

81

EPA Permit# PAS2D020BLCE
DEP Permit# 37-033-27255-00-00

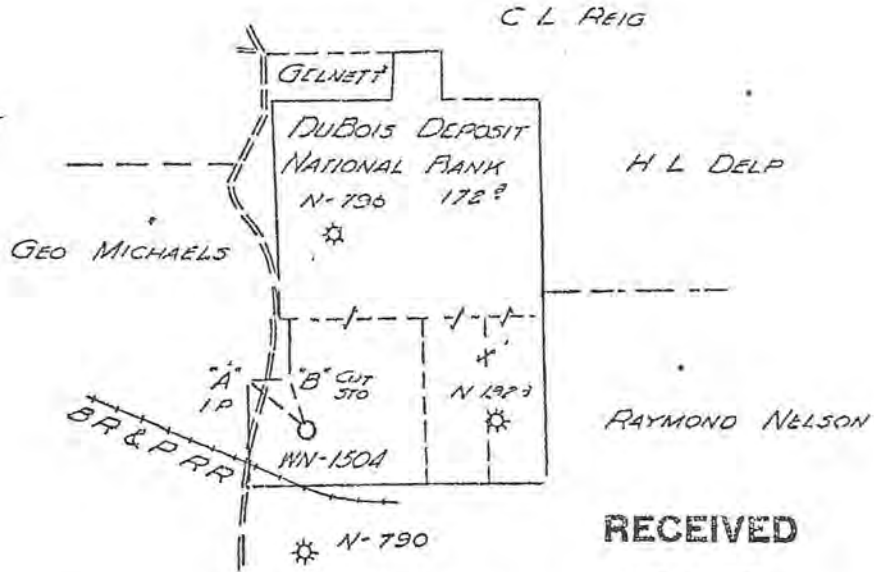
Loc. M. da 3-30 Map 3-1-1 N. T. 1/2 S. 1/2 E. 1/4 Sec. 11 Pg. 30 W. 1/2 N. 1/2 E. 1/4 Sec. 11 Pg. 30
Approved _____ Date _____

Latitude 41° 13' 00" N

Longitude 75° 42' 00" W

A - B EAST 360'
A - WN 1504 519° 21' E - 669'
B - WN 1504 518° 38' E - 460'

NOTE ALL BEARINGS CORRECTED TO PROPERTY DESCRIPTION



RECEIVED

APR 1 1976

PA GEO LOGIC SURVEY
Oil & Gas Division

3600

- New Location ☒
- Drill Deeper ☐
- Abandonment ☐
- Repairs ☐

Company CONSOLIDATED GAS SUPPLY CORP
Address 1514 N. 4th St. CARLETON, W. VA
Farm DUBOIS DEPOSIT NAT'L BANK
Tract _____ Acres 1.72 Lease No. 60986
Well (Farm) No. 3 Co. Serial No. WN-1504
Angle of Deviation, if any _____
Elevation 1572' Quadrangle L. 15-15-15
County C. CARLETON Township BRADY
Engineer James H. H. H.
Engineer's Registration No. 010961-E
File No. _____ Drawing No. KE 21149
Date Feb 23 1976 Scale 1" = 500'

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF MINES
3-22-76
Oil and Gas Division
HARRISBURG
WELL LOCATION MAP
Dept. File No. CLE-20597
⊕ Denotes Values of Well on United States Topographic Maps.
Scale 15' ☐ 71' ☒
WORKABLE COAL SEAMS TO BE PENETRATED
Name of Seam _____ Owner of Seam _____

APPENDIX B – LABORATORY ANALYTICAL DATA



GEOCHEMICAL TESTING

Environmental and Energy Analysis

EPA Permit# PAS2D020BLCE
DEP Permit# 37-033-27255-00-00

2005 N. Center Ave.
Somerset, PA 15501

814/443-1671
814/445-6666
FAX: 814/445-6729

Wednesday, October 05, 2011

RICK BONAZZA
RESOURCE MANAGEMENT SERVICES
65 FENTON ROAD
INDIANA, PA 15701

RE: BS-P

Order No.: G1109987

Dear RICK BONAZZA:

Geochemical Testing received 1 sample(s) on 9/27/2011 for the analyses presented in the following report.

There were no problems with the analyses and all QC data met NELAC, EPA, and laboratory specifications except where noted in the Case Narrative or Laboratory Results.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Timothy W. Bergstresser
Director of Technical Services

Geochemical Testing

Date: 05-Oct-11

CLIENT: RESOURCE MANAGEMENT SERVICES
Project: BS-P
Lab Order: G1109987

CASE NARRATIVE

No problems were encountered during analysis of this workorder, except if noted in this report.

Legend: ND - Not Detected at the Quantitation Limit
J - Indicates an estimated value.
U - The analyte was not detected at or above the listed concentration, which is below the laboratory quantitation limit.
B - Analyte detected in the associated Method Blank
Q - Qualifier QL - Quantitation Limit DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
** - Value exceeds Action Limit
H - Method Hold Time Exceeded
MCL - Contaminant Limit



Laboratory Results

Geochemical Testing

Date: 05-Oct-11

CLIENT:	RESOURCE MANAGEMENT SERVICES	Client Sample ID:	1/9/26
Lab Order:	G1109987		
Project:	BS-P	Sampled By:	Client
Lab ID:	G1109987-001	Collection Date:	9/26/2011 5:20:00 PM
Matrix:	AQUEOUS	Received Date:	9/27/2011 8:34:00 PM

Analyses	Result	QL	Q	Units	DF	Date Analyzed
INORGANIC NON-METALS		SM 2310B(4A)				Analyst: LNW
Acidity to pH 8.2	-81	0		mg/L CaCO ₃	1	10/3/2011 4:49:00 PM
PHYSICAL TESTS		EPA 120.1				Analyst: LNW
Specific Conductance	231	1		µmhos/cm	1	10/3/2011 2:00:00 PM
PH BY SM 4500 H+B		SM4500-H+B				Analyst: LNW
Lab pH	7.56	0	H	su	1	10/3/2011 2:00:00 PM
INORGANIC NON-METALS		SM 2540 C				Analyst: KLS
Total dissolved solids	128	20		mg/L	1	9/28/2011 11:27:00 AM
PHYSICAL TESTS		SM 2540D				Analyst: KLS
Total suspended solids	< 5	5		mg/L	1	9/28/2011 8:25:36 AM
INORGANIC NON-METALS		ASTM D1067-02				Analyst: LNW
Alkalinity to pH 4.5	96	5		mg/L CaCO ₃	1	10/3/2011 2:00:00 PM
INORGANIC NON-METALS		EPA 300.0				Analyst: CAS
Nitrate - Nitrite	0.37	0.05		mg/L as N	1	9/28/2011 11:56:00 AM
INORGANIC NON-METALS		EPA 300.0				Analyst: CAS
Bromide	< 0.2	0.2		mg/L	1	9/28/2011 11:56:00 AM
Chloride	3	1		mg/L	1	9/28/2011 11:56:00 AM
Sulfate	16	2		mg/L	1	9/28/2011 11:56:00 AM
INORGANIC METALS		EPA 200.7				Analyst: JAS
Aluminum	< 0.1	0.1		mg/L	1	9/30/2011 5:01:00 AM
Barium	0.09	0.01		mg/L	1	9/30/2011 5:01:00 AM
Calcium	26.0	0.1		mg/L	1	9/30/2011 5:01:00 AM
Iron	< 0.05	0.05		mg/L	1	9/30/2011 5:01:00 AM
Magnesium	7.4	0.1		mg/L	1	9/30/2011 5:01:00 AM
Manganese	< 0.01	0.01		mg/L	1	9/30/2011 5:01:00 AM
Potassium	1.2	0.5		mg/L	1	9/30/2011 5:01:00 AM
Sodium	6.5	0.2		mg/L	1	9/30/2011 5:01:00 AM
Strontium	1.18	0.01		mg/L	1	9/30/2011 5:01:00 AM
Hardness (SM 2340B)	95.2	1.0		mg/L CaCO ₃	1	9/30/2011 5:01:00 AM
INDICATOR ORGANIC PARAMETERS		EPA 1664				Analyst: ACG
Oil & Grease	< 5	5		mg/L	1	9/30/2011 7:28:00 AM

Shuttle/Cooler ID#: _____

CHAIN OF CUSTODY**Geochemical Testing**

Form F-5002, 01.04

Geochemical Testing • 2005 North Center Avenue • Somerset PA 15501 • (814) 443-1671 • Fax (814) 445-6729

Billing Client: <u>RMS</u>	Contact (Company): <u>RMS</u>	Phone: ()
Address:	e-mail:	Fax: ()
City: State: Zip:	Sampled by:	Preservatives by <u>Sampler</u> <u>GT</u>
WO#: (LAB USE ONLY) <u>61109987</u>	Project:	PO/Quote#:

Sample Matrix:	GW Ground Water	SW Surface Water	PW Potable Water	WW Wastewater	SO Soil	SL Sludge	nHZ Not Hazardous / HZ Hazardous	PCBs
Sample Type:	G Grab	C Composite	D Distribution/DW	R Raw/DW	S Special/DW	O Other	Containers Supplied by: ☐ Client ☒	GT Lab

Sample Location/ Description	Lab Number (LAB USE ONLY)	Sample Matrix	Date	Time (Military)	Sample Type	**Analyses Requested	Remarks/ Preservatives, etc	Number of Containers
**NOTE: IF multiple analytes from one bottle, OR if multiple bottles for one analyte, THEN list separately on one line UNLESS LISTED ON ATTACHED FIELD LOG								
<u>RMS 1/9/26</u>	<u>G01</u>	nHZ / HZ <u>PW</u>	<u>9/26/11</u>	<u>1720</u>	<u>G</u>	<u>BS-P + O + G + A1 + K</u>	Field Filtered: Y <u>N</u>	<u>4</u>
		nHZ / HZ					Field Filtered: Y / N	
		nHZ / HZ					Field Filtered: Y / N	
		nHZ / HZ					Field Filtered: Y / N	
		nHZ / HZ					Field Filtered: Y / N	
		nHZ / HZ					Field Filtered: Y / N	
		nHZ / HZ					Field Filtered: Y / N	
		nHZ / HZ					Field Filtered: Y / N	

Waiver of Responsibility: Although samples were delivered without ice and at a temperature greater than 6° C, the samples are to be analyzed.

Note other preservation issues:

Name: _____ Date: 1 / 1 / _____

Relinquished by (Company & Signature)	Date	Time (Military)	Received by (Company & Signature):	Date	Time (Military)
<u>FS RMS</u>	<u>9/26/11</u>	<u>1800</u>	<u>[Signature]</u>	<u>9-27-11</u>	<u>1535</u>
<u>[Signature]</u>	<u>9-27-11</u>	<u>1735</u>	<u>[Signature]</u>	<u>9/27/11</u>	<u>20:38</u>

be present on receipt: Yes or No Cooler Temp (°C) on receipt 13



GEOCHEMICAL TESTING

Environmental and Energy Analysis

EPA Permit# PAS2D020BLCE
DEP Permit# 37-033-27255-00-00
2005 N. Center Ave.
Somerset, PA 15501

814/443-1671
814/445-6666
FAX: 814/445-6729

Thursday, September 29, 2011

RICK BONAZZA
RESOURCE MANAGEMENT SERVICES
65 FENTON ROAD
INDIANA, PA 15701

RE: BS-P

Order No.: G1109782

Dear RICK BONAZZA:

Geochemical Testing received 5 sample(s) on 9/21/2011 for the analyses presented in the following report.

There were no problems with the analyses and all QC data met NELAC, EPA, and laboratory specifications except where noted in the Case Narrative or Laboratory Results.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Timothy W. Bergstresser
Director of Technical Services

Geochemical Testing

Date: 29-Sep-11

CLIENT: RESOURCE MANAGEMENT SERVICES
Project: BS-P
Lab Order: G1109782

CASE NARRATIVE

No problems were encountered during analysis of this workorder, except if noted in this report.

Legend:

ND - Not Detected at the Quantitation Limit

J - Indicates an estimated value.

U - The analyte was not detected at or above the listed concentration, which is below the laboratory quantitation limit.

B - Analyte detected in the associated Method Blank

Q - Qualifier

QL - Quantitation Limit

DF - Dilution Factor

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

** - Value exceeds Action Limit

H - Method Hold Time Exceeded

MCL - Contaminant Limit



I.D. 56-00306 PA DEP

Laboratory Results

Geochemical Testing

Date: 29-Sep-11

CLIENT: RESOURCE MANAGEMENT SERVICES Client Sample ID: RMS 1/9/20
Lab Order: G1109782
Project: BS-P Sampled By: Client
Lab ID: G1109782-001 Collection Date: 9/20/2011 10:30:00 AM
Matrix: AQUEOUS Received Date: 9/21/2011 6:13:57 PM

Analyses	Result	QL	Q	Units	DF	Date Analyzed
INORGANIC NON-METALS						Analyst: LNW
Acidity to pH 8.2	-29	0		mg/L CaCO3	1	9/27/2011 4:22:00 PM
PHYSICAL TESTS						Analyst: LNW
Specific Conductance	409	1		µmhos/cm	1	9/27/2011 1:18:00 PM
PH BY SM 4500 H+B						Analyst: LNW
Lab pH	6.69	0	H	su	1	9/27/2011 1:18:00 PM
INORGANIC NON-METALS						Analyst: KLS
Total dissolved solids	278	20		mg/L	1	9/22/2011 10:55:00 AM
PHYSICAL TESTS						Analyst: KLS
Total suspended solids	6	5		mg/L	1	9/22/2011 8:51:25 AM
INORGANIC NON-METALS						Analyst: LNW
Alkalinity to pH 4.5	54	5		mg/L CaCO3	1	9/27/2011 1:18:00 PM
INORGANIC NON-METALS						Analyst: CAS
Nitrate - Nitrite	0.39	0.05		mg/L as N	1	9/21/2011 7:42:00 PM
INORGANIC NON-METALS						Analyst: CAS
Bromide	< 0.2	0.2		mg/L	1	9/21/2011 7:42:00 PM
Chloride	91	1		mg/L	1	9/21/2011 7:42:00 PM
Sulfate	14	2		mg/L	1	9/21/2011 7:42:00 PM
INORGANIC METALS						Analyst: JAS
Aluminum	< 0.1	0.1		mg/L	1	9/27/2011 12:50:00 AM
Barium	0.03	0.01		mg/L	1	9/27/2011 12:50:00 AM
Calcium	21.0	0.1		mg/L	1	9/27/2011 12:50:00 AM
Iron	0.79	0.05		mg/L	1	9/27/2011 12:50:00 AM
Magnesium	7.9	0.1		mg/L	1	9/27/2011 12:50:00 AM
Manganese	0.01	0.01		mg/L	1	9/27/2011 12:50:00 AM
Potassium	1.7	0.5		mg/L	1	9/27/2011 12:50:00 AM
Sodium	55.0	0.2		mg/L	1	9/27/2011 12:50:00 AM
Strontium	0.12	0.01		mg/L	1	9/27/2011 12:50:00 AM
Hardness (SM 2340B)	85.1	1.0		mg/L CaCO3	1	9/27/2011 12:50:00 AM
INDICATOR ORGANIC PARAMETERS						Analyst: ACG
Oil & Grease	< 5	5		mg/L	1.01	9/26/2011 1:55:00 PM