





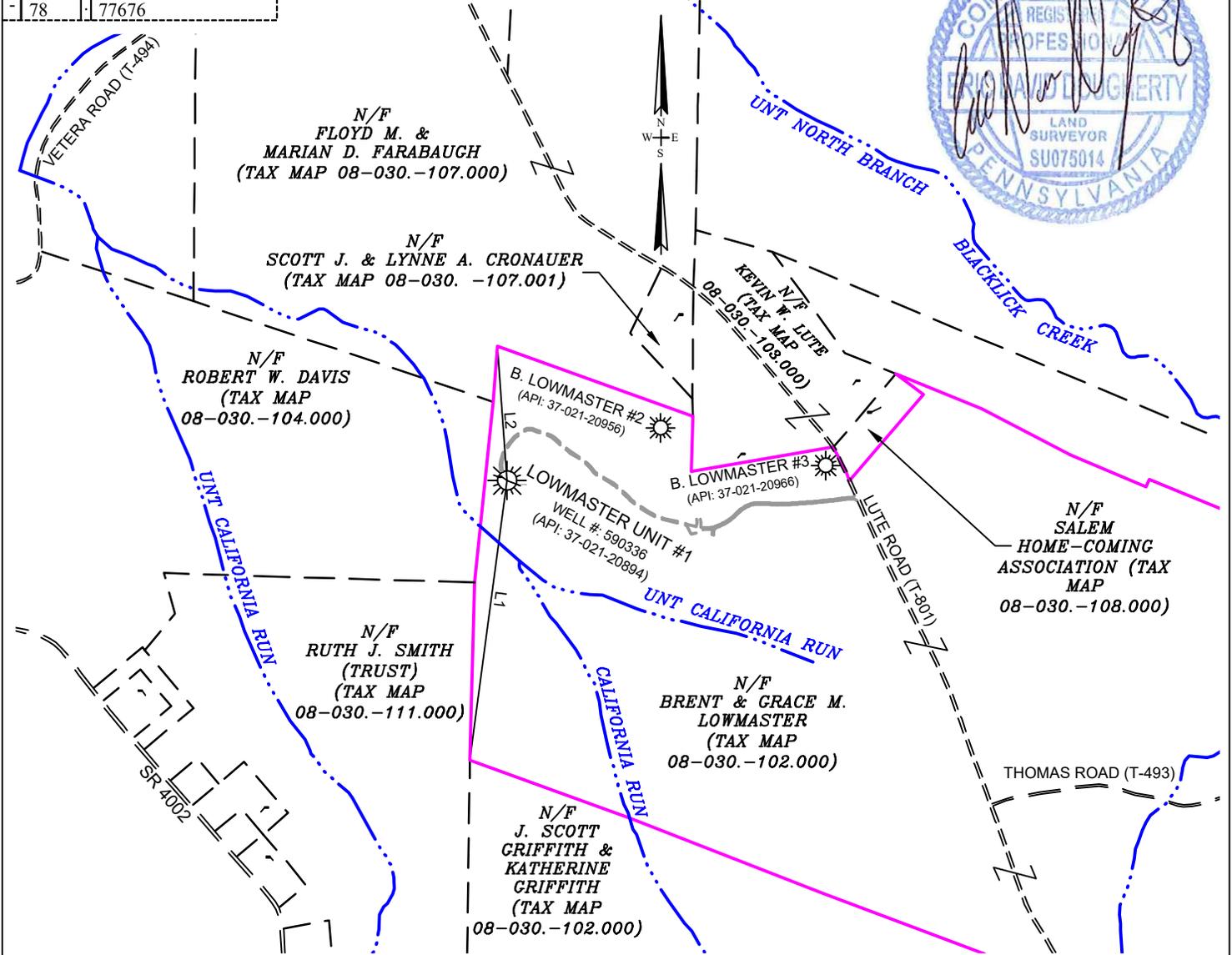
WELL LOCATION PLAT

PAGE 1 Surface Location

DEP	Auth ID #:	G:
USE	Permit ID #:	C:
ONLY	Project ID #:	

SHL True Latitude:	
40	55462
SHL True Longitude:	
- 78	77676

LINE	BEARING	DISTANCE
L1	S 04°15'10" E	846.36'
L2	N 07°36'11" E	1772.35'



NOTE: This map is for well location purposes only and does not represent a complete property survey. Land owner names and some property lines are shown as per tax map assessment records.

LEGEND

- EXI. GAS WELL
- PROPERTY LINE (CAMERON COUNTY GIS PARCEL)
- ADJOINER LINE (CAMERON COUNTY GIS PARCEL)
- EXI. ACCESS ROAD
- EXI. STREAM
- APPROXIMATE WATER WELL LOCATION

Applicant/Well Operator Name: EQT Production Company		DEP ID # 146983	Well (Farm) Name: Lowmaster		Well #: 1	Serial #:
Address: 400 Woodcliff Drive, Canonsburg, PA 15317			County: Cambria	Municipality: Cambria Township	Well Type: Gas	
911 address of well site: N/A			USGS 7½ Quadrangle Map Name: Colver	Map Section: 6	Surface Elevation: 2022.50 ft.	
Surveyor or Engineer: Eric David Dougherty, P.E., P.L.S., SU075014	Phone #: 724-735-2766	Dwg #: Lowmaster Unit #1 Well Plat	Date: 12/09/24	Scale: 1" = 1000'	Tract Acreage: 343 Ac.	
Lat. & Long Metadata Method: GPS	Accuracy: +/-1 ft.	Datum: NAD 83	Elevation Metadata Method: GPS	Accuracy: +/-1 ft.	Datum: NAVD 1988	Survey Date: 10/22/24





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## WELL RECORD AND COMPLETION REPORT

Well Operator <b>Interstate Gas Marketing Inc.</b>		DEP ID# <b>47315</b>	Well API # (Permit / Reg) <b>37-021-20894</b>	Project Number <b>N/A</b>	Acres <b>320+-</b>
Address <b>2018 South Sixth Street</b>			Well Farm Name <b>B. LOWMASTER UNIT</b>	Well # <b>1</b>	Serial # <b>N/A</b>
City <b>Indiana</b>	State <b>PA</b>	Zip Code <b>15701</b>	County <b>CAMBRIA</b>	Municipality <b>CAMBRIA TWP</b>	
Phone <b>724-465-7958</b>	Fax <b>724-465-4044</b>	USGS 7.5 min. quadrangle map <b>COLVER</b>			

**Check all that apply:**  Original Well Record  Original Completion Report  Amended Well Record  Amended Completion Report

### WELL RECORD

*Also complete Log of Formations on back (page 2)*

Well Type	<input checked="" type="checkbox"/> Gas	<input type="checkbox"/> Oil	<input type="checkbox"/> Combination Oil & Gas	<input type="checkbox"/> Injection	<input type="checkbox"/> Storage	<input type="checkbox"/> Disposal
Drilling Method	<input checked="" type="checkbox"/> Rotary - Air	<input type="checkbox"/> Rotary - Mud	<input type="checkbox"/> Cable Tool			
Date Drilling Started <b>3-12-05</b>	Date Drilling Completed <b>5-6-05</b>	Surface Elevation <b>2030 ft.</b>	Total Depth - Driller <b>8659 ft.</b>	Total Depth - Logger <b>8669 ft.</b>		

### Casing and Tubing

Cement returned on surface casing?  Yes  No  
Cement returned on coal protective casing?  Yes  No  N/A

Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	Material Behind Pipe Type and Amount	Packer / Hardware / Centralizers Type Size Depth	Date Run
17 1/2"	16"	42#	LTC	45'	SANDED IN	XX XX 45'	3-12-05
15"	11 3/4"	42#	LTC	287'	175sksA+3%cacl2+1/4flake	G. Shoe 11 3/4" 287'	3-13-05
10 3/4"	8 5/8"	32#	LTC	1639"	175sks65/35poz+3%cacl2+1/4 flake+125sksA+3%cacl2	G. Shoe 8 5/8" 1639'	3-16-05
7.88"	4 1/2"	11.6#	8rd	8652'	275sks50/50poz+2%gel	F. Shoe 4 1/2" 8652'	5-8-05
4 1/2"	2 3/8"	4.6#	EUE	8653'		Slips 2 3/8" -	7-1-05

### COMPLETION REPORT

Perforation Record			Stimulation Record				
Date	Interval Perforated From To		Date	Interval Treated	Fluid Type Amount	Propping Agent Type Amount	Average Injection
7-1-05	8518 8600		7-1-05		20% HCL 4,000		6.7 BPM
<p><b>RECEIVED</b></p> <p><b>JUL 07 2008</b></p> <p>DEP, SOUTHWEST REGION OIL &amp; GAS</p>							

Natural Open Flow	<b>500 MCF</b>	Natural Rock Pressure	<b>750 PSIG</b>	24 Hours	XX Days
After Treatment Open Flow	<b>750 MCF</b>	After Treatment Rock Pressure	<b>2950 PSIG</b>	24 Hours	XX Days

**Well Service Companies --** Provide the name, address, and phone number of all well service companies involved.

Name <b>KEY ENERGY</b> Address <b>RR10 BOX 392</b> City - State - Zip <b>BUCKHANNON WV 79710</b> Phone <b>304-472-2368</b>	Name <b>APPALACHIAN WELL SERVICE</b> Address <b>P.O. BOX 636</b> City - State - Zip <b>INDIANA PA 15701</b> Phone <b>724-354-4400</b>	Name <b>ALLEGHENY WIRELINE SERVICE</b> Address <b>P.O. BOX 129</b> City - State - Zip <b>ELBERTON PA 15736</b> Phone <b>724-354-3090</b>
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## LOG OF FORMATIONS

Well API#: **37-021-20894**

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine: ft.)	Source of Data
CLAY	0	25			1" F @ 200'	DRILLERS LOG
SHALE	25	245				
COAL	245	255				ALLEGHENY WIRELINE
SHALE	255	1640			DAMP @	
SHALE/SAND	1640	2020			700'	
5 <sup>TH</sup> SAND	2020	2100				
SHALE/SAND	2100	2400				
WARREN	2400	2470				
SHALE/SAND	2470	2600				
UPPER SPEECHLEY	2600	2690				
SHALE/SAND	2690	2790				
SPEECHLEY	2790	2850				
SHALE/SAND	2850	3130				
BALLTOWN	3130	3400				
SHALE/SAND	3400	3440				
SHALE	3440	3480				
2 <sup>ND</sup> BRADFORD	3480	3500				
SHALE	3500	4740		3820		
5 <sup>TH</sup> ELK	4740	4810		4000		
SHALE	4810	7570		SHOW		
TALLY	7570	7610				
SHALE	7610	8280				
MARCELLUS	8280	8490				
CHART	8490	8590				
ORISKENY	8590	8620				
SHALE	8620	8659				

*Please delete empty rows if necessary to make all of page 2 fit on one page.*

<p><b>Well Operator's Signature:</b></p>  <p>Title: <b>LAND MANAGER</b>      Date: <b>8/1/05</b></p>	<div style="background-color: #cccccc; padding: 5px; text-align: center; font-weight: bold;">DEP USE ONLY</div> <p>Reviewed by: _____ Date: _____</p> <p>Comments: _____</p>
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Client Id

Sub-facility Id

*[Handwritten signature]*

## WELL RECORD AND COMPLETION REPORT

Well Operator <b>Interstate Gas Marketing Inc.</b>		DEP ID# <b>47315</b>	Well API # (Permit / Reg) <b>37-021-20894</b>	Project Number <b>N/A</b>	Acres <b>320+-</b>
Address <b>2018 South Sixth Street</b>			Well Farm Name <b>B. LOWMASTER UNIT</b>	Well # <b>1</b>	Serial # <b>N/A</b>
City <b>Indiana</b>	State <b>PA</b>	Zip Code <b>15701</b>	County <b>CAMBRIA</b>	Municipality <b>CAMBRIA TWP</b>	
Phone <b>724-465-7958</b>	Fax <b>724-465-4044</b>	USGS 7.5 min. quadrangle map <b>COLVER</b>			

**Check all that apply:**  Original Well Record  Original Completion Report  Amended Well Record  Amended Completion Report

### WELL RECORD Also complete Log of Formations on back (page 2)

<b>Well Type</b>		<input checked="" type="checkbox"/> Gas	<input type="checkbox"/> Oil	<input type="checkbox"/> Combination Oil & Gas	<input type="checkbox"/> Injection	<input type="checkbox"/> Storage	<input type="checkbox"/> Disposal		
<b>Drilling Method</b>		<input checked="" type="checkbox"/> Rotary - Air	<input type="checkbox"/> Rotary - Mud	<input type="checkbox"/> Cable Tool					
Date Drilling Started <b>3-12-05</b>	Date Drilling Completed <b>5-6-05</b>	Surface Elevation <b>2030 ft.</b>	Total Depth - Driller <b>8659 ft.</b>	Total Depth - Logger <b>8669 ft.</b>					
<b>Casing and Tubing</b>			Cement returned on surface casing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						
			Cement returned on coal protective casing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A						
Hole Size	Pipe Size	Wt.	Thread / Weld	Amount in Well (ft)	Material Behind Pipe Type and Amount	Packer / Hardware / Centralizers Type	Size	Depth	Date Run
17 1/2"	16"	42#	LTC	45'	SANDED IN	XX	XX	45'	3-12-05
15"	11 3/4"	42#	LTC	287'	175sksA+3%cacl2+1/4flake	G. Shoe	11 3/4"	287'	3-13-05
10 3/4"	8 5/8"	32#	LTC	1639'	175sks65/35poz+3%cacl2+1/4flake+125sksA+3%cacl2	G. Shoe	8 5/8"	1639'	3-16-05
7.88"	4 1/2"	11.6#	.8rd	8652'	275sks50/50poz+2%gel	F. Shoe	4 1/2"	8652'	5-8-05
4 1/2"	2 3/8"	4.6#	EUE	8653'		Slips	2 3/8"	-	7-1-05

### COMPLETION REPORT

Perforation Record			Stimulation Record						
Date	Interval Perforated From	To	Date	Interval Treated	Fluid Type	Amount	Propping Agent Type	Amount	Average Injection
7-1-05	8518	8600	7-1-05		20% HCL	4,000			6.7 BPM
<b>RECEIVED</b>			<b>RECEIVED</b>						
<b>JUL 10 2009</b>			<b>JUL 07 2008</b>						
P. SOUTHWEST REGION OIL & GAS			DEP, SOUTHWEST REGION OIL & GAS						
Natural Open Flow	500 MCF		Natural Rock Pressure	750 PSIG		24 Hours	XX Days		
After Treatment Open Flow	750 MCF		After Treatment Rock Pressure	2950 PSIG		24 Hours	XX Days		

**Well Service Companies** -- Provide the name, address, and phone number of all well service companies involved.

Name <b>KEY ENERGY</b> Address <b>RR10 BOX 392</b> City - State - Zip <b>BUCKHANNON WV 79710</b> Phone <b>304-472-2368</b>	Name <b>APPALACHIAN WELL SERVICE</b> Address <b>P.O. BOX 636</b> City - State - Zip <b>INDIANA PA 15701</b> Phone <b>724-354-4400</b>	Name <b>ALLEGHENY WIRELINE SERVICE</b> Address <b>P.O. BOX 129</b> City - State - Zip <b>ELDERTON PA 15736</b> Phone <b>724-354-3090</b>
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**LOG OF FORMATIONS**

Well API#: **37-021-20894**

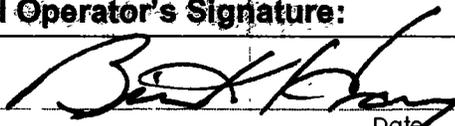
Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
CLAY	0	25			1" F @ 200'	DRILLERS LOG
SHALE	25	245				
COAL	245	255				ALLEGHENY WIRELINE
SHALE	255	1640			DAMP @ 700'	
SHALE/SAND	1640	2020				
5 <sup>TH</sup> SAND	2020	2100				
SHALE/SAND	2100	2400				
WARREN	2400	2470				
SHALE/SAND	2470	2600				
UPPER SPEECHLEY	2600	2690				
SHALE/SAND	2690	2790				
SPEECHLEY	2790	2850				
SHALE/SAND	2850	3130				
BALLTOWN	3130	3400				
SHALE/SAND	3400	3440				
SHALE	3440	3480				
2 <sup>ND</sup> BRADFORD	3480	3500				
SHALE	3500	4740	3820			
5 <sup>TH</sup> ELK	4740	4810	4000			
SHALE	4810	7570	SHOW			
TALLY	7570	7610				
SHALE	7610	8280				
MARCELLUS	8280	8490				
CHART	8490	8590				
ORISKENY	8590	8620				
SHALE	8620	8659				

RECEIVED

JUL 10 2009

DEP, SOUTHWEST REGION  
OIL & GAS

Please delete empty rows if necessary to make all of page 2 fit on one page.

<b>Well Operator's Signature:</b>		<b>DEP USE ONLY</b>	
		Reviewed by:	Date:
Title:	Date:		
LAND MANAGER	8/1/05	Comments:	

Lowmaster Unit #590336  
L-005781  
Cambria County, PA  
Cambria Township  
API # 37-021-20894  
By: EQT Corporation  
Date: 02/23/2024

**Current Status:**

**16" casing @ 45', sanded in**  
**11 3/4" casing @ 287', cement reported**  
**8 5/8" casing @ 1639', cement reported**  
**4 1/2" casing @ 8652', cement reported**  
**2 3/8" tubing @ 8653', no cement**  
**Perforation Interval from 8518'-8600' reported with 20% HCL**  
**TD: 8669'**

Elevation: 2030'  
Water @ 200' and damp at 700'  
Coal @ 245'-255'  
Gas @ 3820', 4000', 4810'-7570' Shale  
Oil @ N/A

**\*Cement plugs will be cemented with Class A or Class L cement**

1. Notify State Oil and Gas Inspector **Curtis Small @ 814-472-1907**, 48 hours in advance of commencement of plugging operations.
2. Install containment under pertinent equipment and around wellhead.
3. Conduct Tailgate Safety Meeting. Complete JSA's as required.
4. MIRU rig. Begin plugging and abandonment operations.
5. Excavate around well head to attempt to expose any casing(s) covered by earth. Determine the possible presence of any valves.
6. Check pressures on all casings with a gauge. Blow down the well into a grounded tank with a secure line.
7. RIH w. tools to check TD. Notify EQT Rep and DEP OGI of attainable bottom.
8. Load hole w/ Fresh water or Gel water if kill volume is needed.
9. **2 3/8" Tubing**  
RIH w/ wireline and run CBL on 2 3/8" tubing from 8653' to surface to determine bonded tubing.
10. Contact EQT REP and DEP Inspector with Bond Log results and determine perforating and cutting schedule.
11. Attempt to pull 2 3/8" tubing per DEP regulations of 120% or 5K which is ever greater.
12. Perforate 2 3/8" tubing where specified.
13. TIH w/ tubing to last cement top and cement from last cement top to 50' above top perf. Let cement cure.
14. Attempt to shoot off casing where specified, pull 2 3/8" tubing.
15. **4 1/2" Casing**  
TIH w/ tubing to last cement top and cement from last cement top to 8652' with Class A or Class L cement. Let cement cure.
16. RIH w/ wireline and run CBL on 4 1/2" casing from 8652' to surface to determine bonded casing.
17. Contact EQT REP and DEP Inspector with Bond Log results and determine perforating and cutting schedule.
18. Attempt to pull 4 1/2" casing per DEP regulations of 120% or 5K which is ever greater.
19. Perforate 4 1/2" casing where specified.

20. TIH w/ tubing to last cement top and cement from last cement top to 50' above top perf. Let cement cure.
21. Attempt to shoot off casing where specified, pull 4 1/2" casing.  
**8 5/8" Casing**
22. TIH w/ tubing to last cement top and cement from last cement top to 1689' with Class A or Class L cement. Let cement cure.
23. RIH w/ wireline and run CBL on 8 5/8" casing from 1639' to surface to determine bonded casing.
24. Contact EQT REP and DEP Inspector with Bond Log results and determine perforating and cutting schedule.
25. Attempt to pull 8 5/8" casing per DEP regulations of 120% or 5K which is ever greater.
26. Perforate 8 5/8" where specified by EQT and DEP reps.
27. TIH w/ tubing to last cement top and cement from last cement top to 50' above top perf. Let cement cure.
28. Attempt to shoot off casing where specified, pull 8 5/8" casing  
**11 3/4" Casing**
29. TIH w/ tubing to last cement top and cement from last cement top to 337' with Class A or Class L cement. Let cement cure.
30. RIH w/ wireline and run CBL on 11 3/4" casing from 287' to surface to determine bonded casing.
31. Contact EQT REP and DEP Inspector with Bond Log results and determine perforating and cutting schedule.
32. Attempt to pull 11 3/4" casing per DEP regulations of 120% or 5K which is ever greater.
33. Perforate 11 3/4" where specified by EQT and DEP reps.
34. TIH w/ tubing to last cement top and cement from last cement top to 50' above top perf. Let cement cure.
35. Attempt to shoot off casing where specified, pull 11 3/4" casing.  
**16" Casing**
36. TIH w/ tubing to last cement top and cement from last cement top to 95' with Class A or Class L cement. Let cement cure.
37. RIH w/ wireline and run CBL on 16" casing from 45' to surface to determine bonded casing.
38. Contact EQT REP and DEP Inspector with Bond Log results and determine perforating and cutting schedule.
39. Attempt to pull 16" casing per DEP regulations of 120% or 5K which is ever greater.
40. Perforate 16" where specified by EQT and DEP reps.
41. TIH w/ tubing to last cement top and cement from last cement top to 50' above top perf. Let cement cure.
42. Attempt to shoot off casing where specified, pull 16" casing.
43. Top off well to surface with solid cement as needed.
44. Install above grade monument at least 5' with API#, company information and date plugged.
45. Rig Down, move off.
46. Restore well site and access road according to PA DEP regulations.