

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47-610-1667 County Monongalia District Clay
Quad 256-Blacksville Pad Name Yost H-1 Field/Pool Name _____
Farm name Yost Heritage Well Number H-1
Operator (as registered with the OOG) Yost Heritage
Address 1042 Morgantown Ave City Fairmont State WV Zip 26554

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,387,746.04m Easting 566,532.28m
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1504' GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine
Mud Type(s) and Additive(s)
Bentinit

Date permit issued 1-22-2013 Date drilling commenced 11-20-2013 Date drilling ceased 3-30-2014
Date completion activities began Not complete Date completion activities ceased Not complete
Verbal plugging (Y/N) _____ Date permission granted _____ Granted by _____

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 300' Open mine(s) (Y/N) depths No 1099
Salt water depth(s) ft _____ Void(s) encountered (Y/N) depths None
Coal depth(s) ft 1099 Cavern(s) encountered (Y/N) depths None
Is coal being mined in area (Y/N) Not anymore

Reviewed by: _____
01/31/2025

API 47-610-01667 Farm name Yost Heritage Well number H-1

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	18"	16"	50'	New	65 lbs		Cement to surface
Surface							
Coal	11 3/4"	11 3/4"	1140'	New	42 lbs		Cement to surface
Intermediate 1		8 5/8"	2600'	New	32 lbs		Cement to surface
Intermediate 2							
Intermediate 3							
Production		4 1/2"	5922.8'	New	10.6 lbs		As needed on top of frac
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Cement to surface						
Surface							
Coal	Cement to surface						
Intermediate 1	Cement to surface						
Intermediate 2							
Intermediate 3							
Production	Cement back						
Tubing	to 2700'						

Drillers TD (ft) 8200' verticle + horizontal Loggers TD (ft) 3500'
 Deepest formation penetrated 5th Sand Plug back to (ft) None
 Plug back procedure None

Kick off depth (ft) _____

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING In drilling pit and hauled away by Hall Drilling

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS Open hole ready to frac

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

API 47-610-01667 Farm name Yost Heritage Well number H-1

PRODUCING FORMATION(S) 5th Sand DEPTHS 3515' 6289.7'
3500' TVD 8200 MD
Verticle Horizontal

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 200 psi Bottom Hole 200 psi DURATION OF TEST 24 hrs

OPEN FLOW Gas _____ Oil 32,000 bpd NGL _____ Water _____
GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
Pittsburgh Coal	0		0	300	
Dunbar Sand			300	800	
Gas/Salt Sand			800	1000	
Multiple			1000	1200	
Multiple			1200	2000	Red/Black shale, Little/Big Lime
Multiple			2000	2400	Big Injun, Sawjaw, Thirty-foot Sand
Fifth Sand			2400	3600	Quartz, Gordon Stray, Fourth Sand, Hydro-Carbo
Elizabeth Sand			3600	4300	

Please insert additional pages as applicable.

Drilling Contractor Yost Drilling
Address _____ City _____ State _____ Zip _____

Logging Company Schlumberger
Address _____ City _____ State _____ Zip _____

Cementing Company _____
Address _____ City _____ State _____ Zip _____

Stimulating Company Not complete
Address _____ City _____ State _____ Zip _____

Please insert additional pages as applicable.

Completed by David D Yost Telephone 304-319-0547
Signature _____ Title _____ Date _____

API 47-610-31667 Farm name Yost Heritage Well number H-1

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

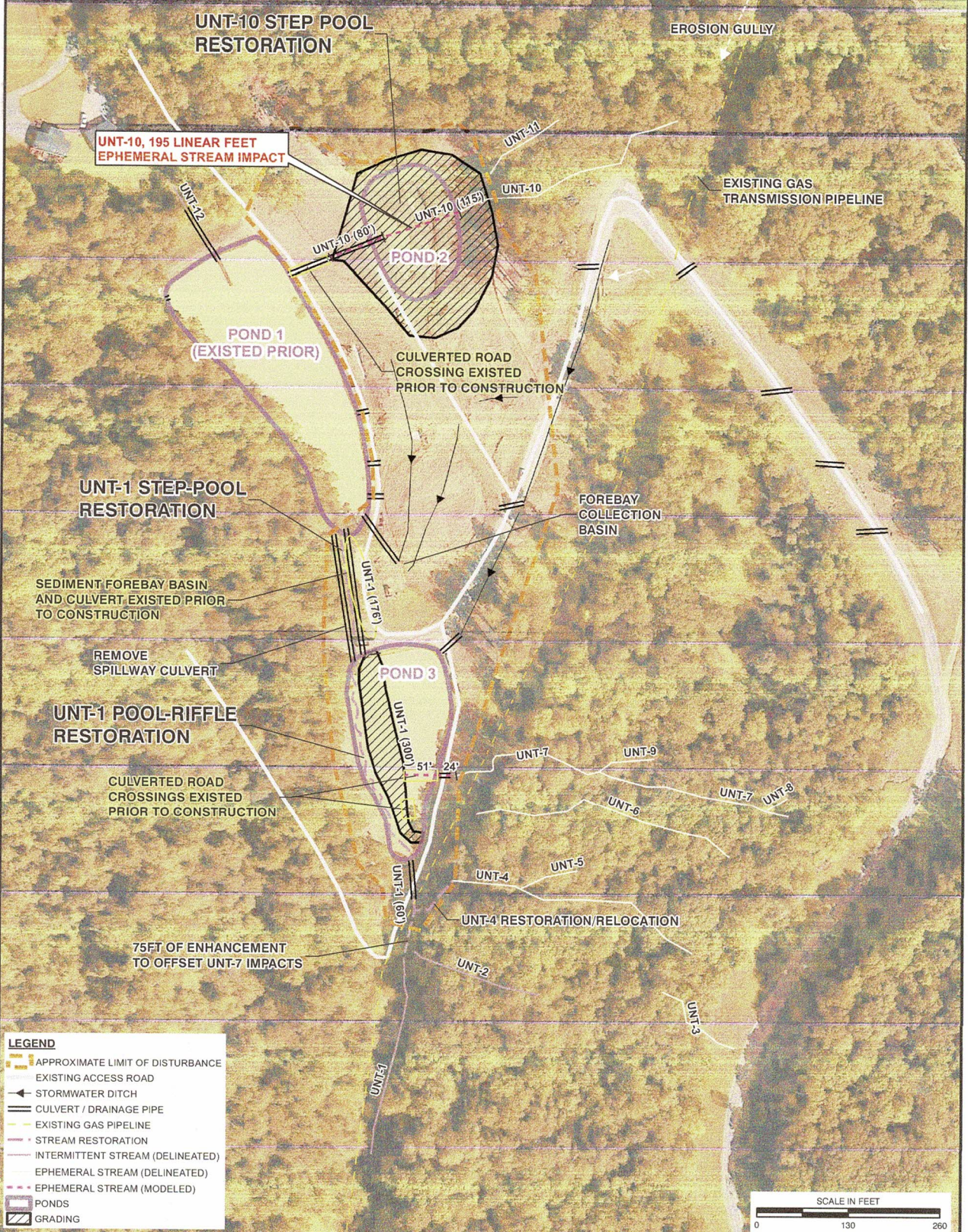
Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)

Please insert additional pages as applicable.



SUBMITTAL & REVISION RECORD		
NO	DATE	DESCRIPTION
--	--	--



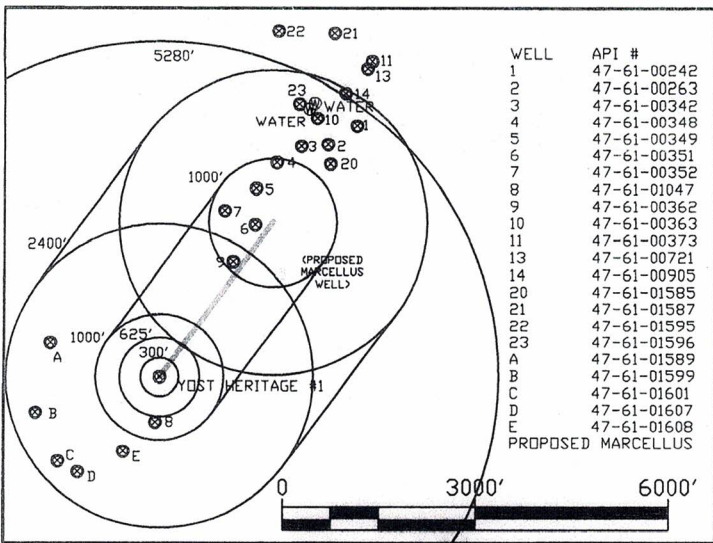
REFERENCE
 GOOGLE EARTH PRO AERIAL IMAGERY.
 IMAGERY DATE: 2013.


Civil & Environmental Consultants, Inc.
 333 Baldwin Road - Pittsburgh, PA 15205-9072
 412-429-2324 • 800-365-2324
 www.cecinc.com

DRAWN BY:	NBW	CHECKED BY:	RAE	APPROVED BY:	DRAFT
DATE:	2/9/2015	SCALE:	1" = 130'	PROJECT NO:	143-004

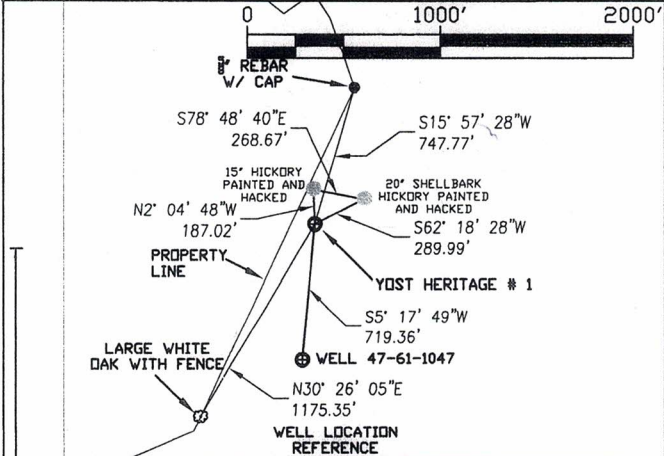
DAYBROOK DEVELOPMENT
 COMPANY/YOST HERITAGE, INC.
 DAYBROOK/YOST IMPOUNDMENTS
 MONONGALIA COUNTY
 WEST VIRGINIA
**CONCEPTUAL STREAM RESTORATION
 AND GRADING MAP**

FIGURE NO: **01/31/2025**



WELL	API #
1	47-61-00242
2	47-61-00263
3	47-61-00342
4	47-61-00348
5	47-61-00349
6	47-61-00351
7	47-61-00352
8	47-61-01047
9	47-61-00362
10	47-61-00363
11	47-61-00373
13	47-61-00721
14	47-61-00905
20	47-61-01585
21	47-61-01587
22	47-61-01595
23	47-61-01596
A	47-61-01589
B	47-61-01599
C	47-61-01601
D	47-61-01607
E	47-61-01608

PROPOSED MARCELLUS



NOTES:
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.

Yost Heritage # 1
Top Hole Coordinates:
N: 414,918.0189 Latitude: N39°38'12.87"
E: 1,764,419.6800 Longitude: W80°13'28.78"

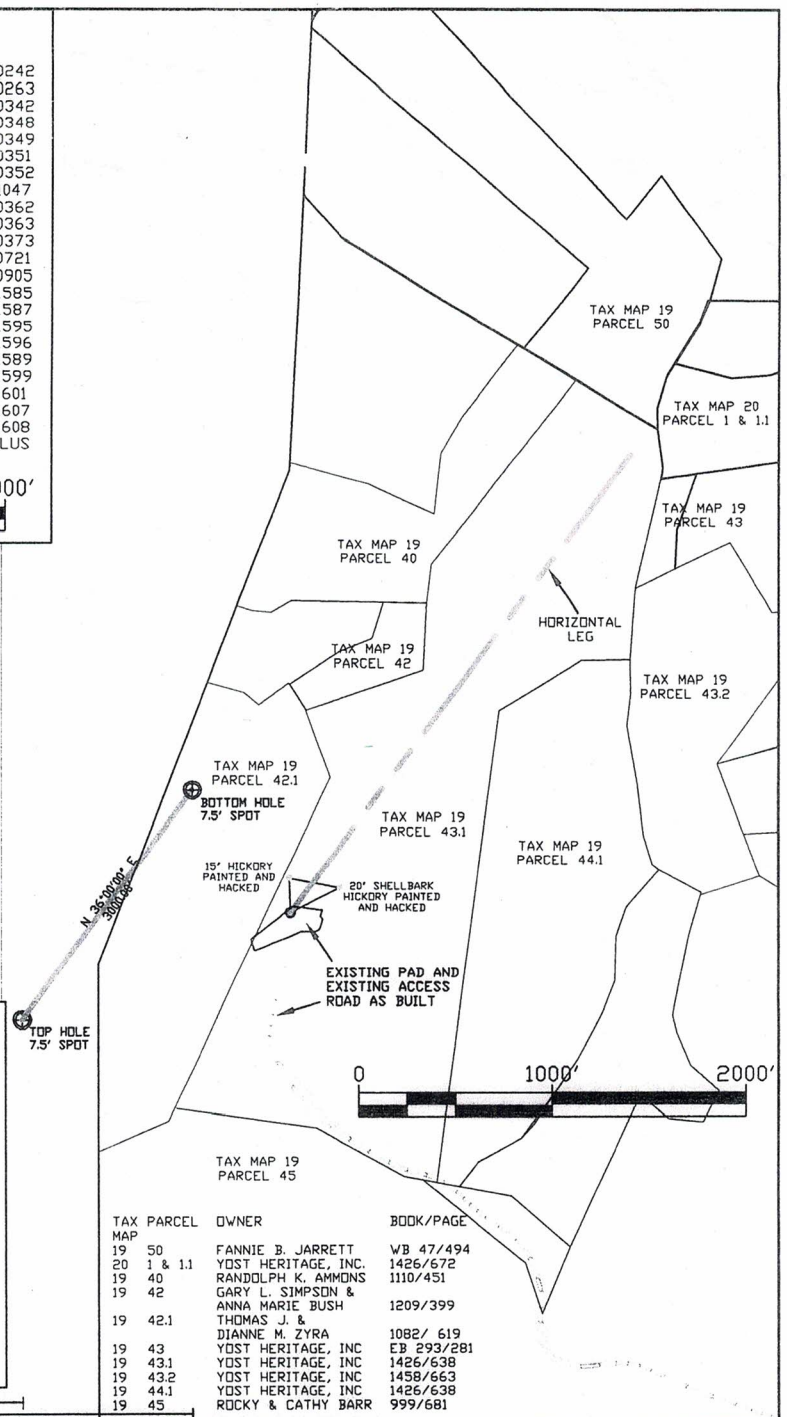
Bottom Hole Coordinates:
N: 417,345.0699 Latitude: N39°38'37.00"
E: 1,766,183.0358 Longitude: W80°13'06.49"

UTM Zone 17, NAD 83
Top Hole Coordinates:
N: 4,387,746.04m E: 566,532.28m

Bottom Hole Coordinates:
N: 4,388,494.55m E: 567,057.12m

6719' TO BOTTOM HOLE
4392' TO TOP HOLE
LONGITUDE 80°13'00"

LATITUDE 39°37'30" 7083' TO TOP HOLE 8848' TO BOTTOM HOLE



TAX PARCEL MAP	OWNER	BOOK/PAGE
19 50	FANNIE B. JARRETT	WB 47/494
20 1 & 1.1	YOST HERITAGE, INC.	1426/672
19 40	RANDOLPH K. AMMONS	1110/451
19 42	GARY L. SIMPSON & ANNA MARIE BUSH	1209/399
19 42.1	THOMAS J. & DIANNE M. ZYRA	1082/ 619
19 43	YOST HERITAGE, INC	EB 293/281
19 43.1	YOST HERITAGE, INC	1426/638
19 43.2	YOST HERITAGE, INC	1458/663
19 44.1	YOST HERITAGE, INC	1426/638
19 45	ROCKY & CATHY BARR	999/681

FILE #: 2012-76
DRAWING #: MYLAR
SCALE: 1" = 2000'

MINIMUM DEGREE OF ACCURACY: 1/25000
PROVEN SOURCE OF ELEVATION: CORS VRS

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

Signed: Gary K. Clayton
R.P.E.: 7188 L.L.S.: 1072

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25304



DATE: 1/22/2013
OPERATOR'S WELL #: YOST HERITAGE #1
API WELL #: 47 61 01651H6A
STATE COUNTY PERMIT

Well Type: Oil Waste Disposal Production Deep
 Gas Liquid Injection Storage Shallow

01/31/2025

LATITUDE 39.636945 / N 39° 38' 13.003"
LONGITUDE -80.224529 / W 80° 13' 28.304"

WR-55
Rev. 8/23/13

JOE YOST Road Monongalia County WV. 26570

Page 1 of

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

RECEIVED
Office of Oil and Gas
SEP 29 2013
WV DEPT
Environment

API 47-610-1657 County Monongalia District CLAY
Quad _____ Pad Name YOST H-1 Field/Pool Name _____
Farm name YOST Heritage Well Number H-1
Operator (as registered with the OOG) YOST Heritage
Address 1042 MORGANTOWN AVENUE City FAIRMONT State W.V. Zip 26554

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing ~~44,918,0169~~ Easting ~~1,787,496,800~~
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1504' GL Type of Well New Existing Type of Report Interim Final

Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow

Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate

Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____

Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other NOT COMPLETE

Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine

Production hole Air Mud Fresh Water Brine

Mud Type(s) and Additive(s) BENTONITE

Date permit issued 1-22-2013 Date drilling commenced 11-20-13 Date drilling ceased 3-30-2014

Date completion activities began NOT COMPLETE Date completion activities ceased NOT COMPLETE

Verbal plugging (Y/N) _____ Date permission granted _____ Granted by _____

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 300' Open mine(s) (Y/N) depths NO 1099

Salt water depth(s) ft 2030 Void(s) encountered (Y/N) depths NO

Coal depth(s) ft 1099 Cavern(s) encountered (Y/N) depths NO

Is coal being mined in area (Y/N) WAS YEARS AGO

Reviewed by: _____

API 47-610-01667 Farm name Yost Heritage Well number 11-1

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	18"	16"	50'	NEW	65 LB		Cement To Surface
Surface							
Coal	11-3/4"	11-3/4"	1140'	NEW	42 LB		Cement To Surface
Intermediate 1		8 3/8"	2600	NEW	32 LB		Cement To Surface
Intermediate 2							
Intermediate 3							
Production		4 1/2"	4819	NEW	4819		AS NEEDED ON TOP OF PACK
Tubing			5922.8		10.6 lb		
Packer type and depth set							

Comment Details

CLASS A Formation Cementing, Inc

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Cement To Surface	?	?	?	?	?	?
Surface							
Coal	Cement To Surface						
Intermediate 1	Cement To Surface						
Intermediate 2							
Intermediate 3							
Production	Cement Pack To 2700'						
Tubing							

Drillers TD (ft) 8200' Vertical + Horizontal Loggers TD (ft) 3500'
 Deepest formation penetrated 5th SAND Plug back to (ft) NOT COMPLETE
 Plug back procedure NOT COMPLETE

Kick off depth (ft)

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cased Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING
INTO DRILLING PIT AND HANDED AWAY BY HALL DRILLING

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS OPEN HOLE READY TO FRAC

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED

API 47- 610 - 1667 Farm name Yost Heritage Well number H-1

PRODUCING FORMATION(S) 5th SAND DEPTHS 3500' TVD 8200 MD
Vertical Horiz 200ft

Please insert additional pages as applicable.

while drilling

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump
SHUT-IN PRESSURE Surface 200 LB psi Bottom Hole 200 LB psi DURATION OF TEST 24 hrs
OPEN FLOW Gas mcfpd Oil 32000 bpd NGL bpd Water bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP		BOTTOM		DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
Pittsburgh coal	0		0	300	
Dunkard Sand			300	600	
Gas/salt Sand			800	1000	
Multiple			1000	1200	Red/Black shale, Little/Big Lime
Multiple			1200	2000	Big Injun, Squaw, Thirty-Foot Sand
Multiple			2000	2400	Gantz, Garden Stray, Fourth Sand (Hydrocarbon)
Fifth Sand			2400	3600	
Elizabeth Sand			3600	4300	

Please insert additional pages as applicable.

Drilling Contractor Yost DRILLING
Address N/A City State Zip

Logging Company Schlumberger
Address City State Zip

Cementing Company Formation Cementing, Inc
Address City State Zip

Stimulating Company NOT COMPLETE
Address City State Zip

Please insert additional pages as applicable.

Completed by DAVID D. Yost Yost Heritage Telephone
Signature David Yost Title Date

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

API 47- _____ Farm name _____ Well number _____

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)

Received
Office of Oil and Gas
SEP 29 2024
New York Department of
Environmental Protection

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)

Please insert additional pages as applicable.