



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS MANAGEMENT**

DEP USE ONLY	
Auth No. 1387778	APS No.# 973421
Site No. 826949	PF No. 828033
Client No. 279986	SF No. 1263125

APPLICATION FOR INACTIVE WELL STATUS

Well Operator EQT CHAP LLC		DEP Client ID No. 279986	Well Permit or Registration No. 051-24667	
Address 400 Woodcliff Drive			Well Farm Name KOVACH B	Well No. M05H
City Canonsburg	State PA	Zip Code 15317	County Fayette	Municipality German Township
Telephone No. 724-746-9073	Fax No. 412-395-2974	Bond Instrument No. 12754	Is this an application for annual extension of inactive status? <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Check here if this application is being submitted for conditional inactive status in association with longwall mining: <input type="checkbox"/>	
Condition of the Well	Describe in detail how the condition of the well satisfies the criteria for approval of inactive status. See 25 Pa. Code §§ 78/78a.102(i), (2)(i) or (ii) and (3). Use additional sheets if necessary. If available, attach well records, driller's logs, and other information describing well casing, cement, equipment, and any other pertinent information. Note that if this application is being submitted in conformance with DEP Technical Guidance Document 800-0810-004 <i>Guidelines for Chain Pillar Development and Longwall Mining Adjacent to Unconventional Wells</i> , the Well Record/Completion Report may be referenced for all well construction information, and all tubing and annular pressures should be at 0 prior to adjacent longwall mining encroaching within 1,500 feet of the well location. Finally, all annuli should be open to the atmosphere and the inactivation procedure may be referenced under the section titled "Other information about the well's condition."			
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				
Casing Diameters: 30"	Casing Lengths: 40'	Type and amount of cement (sacks) used for surface casing: CLASS A / 1047 SKS		
20"	604'	Tubing or Production Casing Pressure (current): 0 psi	If an oil well, state the depth to fluid in the surface casing: N/A	
13-3/8"	712'			
9-5/8"	2578'	Annulus Pressure (current - between tubing or production casing and surface casing): 0 psi		
Tubing or production casing diameter: N/A	Tubing or production casing length: N/A	Are all annuli open to atmosphere? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Other information about the well's condition: Well was drilled to 5,712 ftMD / 5,603 ftTVD. The 9-5/8" casing was run to 2,578' and cemented to surface with 965 sks Class A cement. The well is shut in awaiting a rig to drill the curve and lateral sections of the well. Please refer to the attached supporting documentation for more information on the well's current condition.				
Future Use of the Well	Describe a viable plan in accordance with 25 Pa. Code §78/78a.102(4) explaining the intended use of the well within a reasonable time. Provide the information requested below and any other information necessary for DEP to make a determination on inactive status for this well. Note that if this application is being submitted in conformance with DEP Technical Guidance Document 800-0810-004 <i>Guidelines for Chain Pillar Development and Longwall Mining Adjacent to Unconventional Wells</i> , the following text may be entered under the section regarding the future plan for the well: "Return well to production subsequent to final panel extraction when mining is at least 1,500 feet beyond well in chain pillar, as per re-entry procedure and TGD."			
Provide certification that one of the following applies (check one): <input checked="" type="checkbox"/> Significant reserves remain in place and I plan to return the well to production.				
Provide estimate of reserves: MMcf: TBD Bbls:				
The well will be used for: The well will be used for:				
This well will be returned to use in: Month: TBD Year:				
State your plan for future use of the well. This well was previously spud by Chevron before EQT acquired this and other assets in December of 2020. The area this well is located has extensive geological faulting. EQT plans to begin operations on other geologically complex wells in the area beginning in mid-2022 before resumption of drilling of other wells on the Kovach site (where this well is located). As of today, EQT plans to abandon this well but prefers to complete the Kovach B 1H, 2H, 3H and 4H (on the same pad) before making this final determination.				

Conditional Inactive Status Checklist

For unconventional wells drilled in anticipated chain pillar locations that are being temporarily inactivated to accommodate planned, adjacent longwall mining, please provide the items included in the checklist below in addition to this application. More specific information about these items is detailed in DEP Technical Guidance Document 800-0810-004 *Guidelines for Chain Pillar Development and Longwall Mining Adjacent to Unconventional Wells*.

Please include the following items with the inactive status application:

- ☐ Temporary Well Inactivation Procedure
 ☐ Temporary Inactivation Well Schematic
 ☐ General Specifications for Cements/Gels
☐ Current Well Record and Completion Report
 ☐ Well Location Plat
 ☐ Electrical/Mechanical Well Logs
☐ Graphical Production History Summary
 ☐ Well Re-entry Procedure
 ☐ Post-mining Well Long-term Monitoring Procedure

Provide additional details, if necessary.

Signature of Applicant (Well Operator)

Signature Signed by:

John Zavatchan Jr

Date

2/10/22

Print or type signer's
name and title:

John Zavatchan - Project Specialist -
Permitting

DEP USE ONLY

☒ Approved

☐ Denied

Date

by (DEP Manager)

03/30/2022



EQT PRODUCTION

Fayette County Chevron NAD27

Kovach B

M05H

Wellbore #1

Design: Kovach M05H As Drilled

Standard Survey Report

08 December, 2021



EQT

Survey Report

Database:	EDM_Definitive	Local Co-ordinate Reference:	Well M05H
Company:	EQT PRODUCTION	TVD Reference:	KB@24 @ 1302.00usft
Project:	Fayette County Chevron NAD27	MD Reference:	KB@24 @ 1302.00usft
Site:	Kovach B	North Reference:	True
Well:	M05H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Kovach M05H As Drilled		

Project	Fayette County Chevron NAD27		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Pennsylvania South 3702		

Site		Kovach B			
Site Position:		Northing:	220,332.05 usft	Latitude:	39.92
From:	Lat/Long	Easting:	1,409,588.31 usft	Longitude:	-79.86
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-1.37 °

Well	M05H					
Well Position	+N-S	0.00 usft	Northing:	220,386.46 usft	Latitude:	39.919009
	+E-W	0.00 usft	Easting:	1,409,613.45 usft	Longitude:	79.854952°W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	1,278.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	3/19/2018	-9.32	66.83	52,113.17268032

Design	Kovach M05H As Drilled				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	91.22	

Survey Program	Date	12/8/2021			
From ()	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	5,712.00	MWD (Wellbore #1)	MWD c	MWD - Standard c	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	-1,302.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.51	43.04	100.00	-1,202.00	0.33	0.30	0.30	0.51	0.51	0.00
125.00	0.51	61.98	125.00	-1,177.00	0.46	0.48	0.47	0.67	0.00	75.76
150.00	0.74	75.08	150.00	-1,152.00	0.55	0.73	0.72	1.08	0.92	52.40
175.00	0.92	96.28	174.99	-1,127.01	0.57	1.09	1.08	1.41	0.72	84.80
200.00	1.21	106.74	199.99	-1,102.01	0.47	1.54	1.53	1.39	1.16	41.84
225.00	1.48	110.87	224.98	-1,077.02	0.28	2.09	2.09	1.15	1.08	16.52
250.00	1.65	114.11	249.97	-1,052.03	0.02	2.72	2.72	0.77	0.68	12.96
275.00	1.73	125.65	274.96	-1,027.04	-0.35	3.36	3.37	1.40	0.32	46.16



EQT

Survey Report

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Company:	EQT PRODUCTION	TVD Reference:	KB@24 @ 1302.00usft
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Site:	Kovach B	North Reference:	True
Well:	M05H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Kovach M05H As Drilled		

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
300.00	1.66	128.21	299.95	-1,002.05	-0.79	3.95	3.97	0.41	-0.28	10.24
325.00	1.77	126.51	324.94	-977.06	-1.24	4.55	4.57	0.48	0.44	-6.80
350.00	1.74	124.75	349.93	-952.07	-1.69	5.17	5.20	0.25	-0.12	-7.04
375.00	1.73	122.53	374.92	-927.08	-2.11	5.80	5.84	0.27	-0.04	-8.88
400.00	1.60	116.32	399.91	-902.09	-2.47	6.43	6.48	0.89	-0.52	-24.84
425.00	1.46	118.06	424.90	-877.10	-2.77	7.02	7.08	0.59	-0.56	6.96
450.00	1.52	112.59	449.89	-852.11	-3.05	7.61	7.67	0.62	0.24	-21.88
475.00	1.60	109.91	474.88	-827.12	-3.29	8.24	8.31	0.43	0.32	-10.72
500.00	1.55	110.82	499.87	-802.13	-3.53	8.89	8.96	0.22	-0.20	3.64
525.00	1.42	105.57	524.86	-777.14	-3.74	9.50	9.58	0.75	-0.52	-21.00
550.00	1.55	109.82	549.85	-752.15	-3.93	10.12	10.20	0.68	0.52	17.00
575.00	1.53	110.11	574.84	-727.16	-4.16	10.75	10.84	0.09	-0.08	1.16
600.00	1.73	112.15	599.83	-702.17	-4.42	11.41	11.51	0.83	0.80	8.16
625.00	2.30	111.52	624.82	-677.18	-4.75	12.23	12.33	2.28	2.28	-2.52
650.00	2.75	107.86	649.79	-652.21	-5.12	13.27	13.37	1.91	1.80	-14.64
675.00	3.08	105.07	674.76	-627.24	-5.47	14.49	14.60	1.44	1.32	-11.16
678.57	2.83	104.97	678.33	-623.67	-5.52	14.66	14.78	7.00	-7.00	-2.80
793.00	3.63	132.93	792.58	-509.42	-8.72	20.05	20.23	1.52	0.70	24.43
855.00	3.63	134.97	854.46	-447.54	-11.44	22.87	23.11	0.21	0.00	3.29
886.00	3.80	128.38	885.39	-416.61	-12.77	24.37	24.64	1.48	0.55	-21.26
948.00	4.19	104.46	947.25	-354.75	-14.62	28.18	28.48	2.74	0.63	-38.58
979.00	4.78	98.61	978.15	-323.85	-15.09	30.55	30.86	2.41	1.90	-18.87
1,041.00	5.37	90.04	1,039.91	-262.09	-15.48	36.00	36.33	1.55	0.95	-13.82
1,072.00	5.55	89.76	1,070.77	-231.23	-15.47	38.95	39.28	0.59	0.58	-0.90
1,166.00	6.24	89.96	1,164.27	-137.73	-15.45	48.61	48.93	0.73	0.73	0.21
1,259.00	7.26	95.64	1,256.63	-45.37	-16.03	59.51	59.84	1.31	1.10	6.11
1,352.00	7.46	93.43	1,348.86	46.86	-16.96	71.39	71.73	0.37	0.22	-2.38
1,446.00	8.14	98.10	1,441.99	139.99	-18.27	84.07	84.44	0.99	0.72	4.97
1,541.00	7.59	98.73	1,536.10	234.10	-20.17	96.93	97.33	0.59	-0.58	0.66
1,634.00	7.17	97.52	1,628.33	326.33	-21.86	108.75	109.19	0.48	-0.45	-1.30
1,728.00	7.82	96.00	1,721.52	419.52	-23.30	120.93	121.39	0.72	0.69	-1.62
1,821.00	8.76	95.17	1,813.55	511.55	-24.60	134.27	134.76	1.02	1.01	-0.89
1,915.00	8.12	100.67	1,906.53	604.53	-26.47	147.92	148.45	1.10	-0.68	5.85
2,008.00	8.20	101.30	1,998.59	696.59	-28.98	160.88	161.46	0.13	0.09	0.68
2,102.00	8.66	99.41	2,091.57	789.57	-31.46	174.44	175.07	0.57	0.49	-2.01
2,195.00	8.28	101.81	2,183.56	881.56	-33.97	187.90	188.58	0.56	-0.41	2.58
2,289.00	7.27	106.11	2,276.70	974.70	-37.01	200.24	200.98	1.24	-1.07	4.57
2,382.00	7.43	108.84	2,368.93	1,066.93	-40.58	211.58	212.40	0.41	0.17	2.94
2,476.00	6.42	105.77	2,462.25	1,160.25	-43.97	222.39	223.28	1.14	-1.07	-3.27
2,558.00	5.91	105.23	2,543.77	1,241.77	-46.33	230.88	231.81	0.63	-0.62	-0.66
2,610.00	5.98	104.19	2,595.49	1,293.49	-47.69	236.09	237.05	0.25	0.13	-2.00
2,703.00	7.25	87.76	2,687.88	1,385.88	-48.65	246.65	247.63	2.44	1.37	-17.67



EQT

Survey Report

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Site:	Kovach B	North Reference:	True
Well:	M05H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Kovach M05H As Drilled		

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,797.00	9.85	78.35	2,780.83	1,478.83	-46.80	260.45	261.39	3.13	2.77	-10.01
2,890.00	12.78	76.01	2,872.01	1,570.01	-42.70	278.23	279.08	3.19	3.15	-2.52
2,984.00	15.21	76.60	2,963.22	1,661.22	-37.33	300.32	301.04	2.59	2.59	0.63
3,077.00	17.64	81.66	3,052.42	1,750.42	-32.46	326.13	326.75	3.03	2.61	5.44
3,171.00	18.49	88.63	3,141.80	1,839.80	-30.04	355.13	355.69	2.47	0.90	7.41
3,265.00	16.86	95.17	3,231.36	1,929.36	-30.91	383.61	384.18	2.73	-1.73	6.96
3,358.00	14.21	103.26	3,320.97	2,018.97	-34.74	408.16	408.81	3.67	-2.85	8.70
3,452.00	11.70	104.79	3,412.57	2,110.57	-39.82	428.61	429.36	2.69	-2.67	1.63
3,546.00	11.24	106.34	3,504.69	2,202.69	-44.83	446.62	447.47	0.59	-0.49	1.65
3,639.00	10.81	101.82	3,595.98	2,293.98	-49.17	463.85	464.79	1.04	-0.46	-4.86
3,733.00	11.06	98.43	3,688.27	2,386.27	-52.30	481.40	482.40	0.73	0.27	-3.61
3,826.00	9.80	93.33	3,779.73	2,477.73	-54.07	498.12	499.16	1.68	-1.35	-5.48
3,920.00	10.71	82.03	3,872.24	2,570.24	-53.32	514.76	515.78	2.34	0.97	-12.02
4,014.00	11.28	80.65	3,964.52	2,662.52	-50.61	532.48	533.44	0.67	0.61	-1.47
4,107.00	12.40	75.17	4,055.54	2,753.54	-46.58	551.11	551.98	1.71	1.20	-5.89
4,201.00	13.96	72.11	4,147.06	2,845.06	-40.51	571.66	572.39	1.82	1.66	-3.26
4,294.00	15.53	73.73	4,237.00	2,935.00	-33.58	594.29	594.87	1.75	1.69	1.74
4,388.00	17.20	74.68	4,327.18	3,025.18	-26.38	619.78	620.20	1.80	1.78	1.01
4,482.00	18.09	82.11	4,416.77	3,114.77	-20.71	647.64	647.93	2.57	0.95	7.90
4,575.00	18.71	87.70	4,505.02	3,203.02	-18.12	676.85	677.08	2.01	0.67	6.01
4,669.00	19.26	89.39	4,593.91	3,291.91	-17.35	707.42	707.62	0.83	0.59	1.80
4,762.00	17.72	92.94	4,682.11	3,380.11	-17.92	736.89	737.10	2.05	-1.66	3.82
4,856.00	17.16	93.79	4,771.79	3,469.79	-19.57	765.01	765.26	0.65	-0.60	0.90
4,950.00	15.51	98.49	4,862.00	3,560.00	-22.34	791.28	791.58	2.25	-1.76	5.00
5,043.00	15.36	99.37	4,951.64	3,649.64	-26.18	815.73	816.11	0.30	-0.16	0.95
5,137.00	14.33	95.06	5,042.51	3,740.51	-29.23	839.61	840.04	1.61	-1.10	-4.59
5,230.00	12.62	90.96	5,132.94	3,830.94	-30.42	861.23	861.68	2.11	-1.84	-4.41
5,324.00	13.15	89.71	5,224.58	3,922.58	-30.54	882.19	882.64	0.64	0.56	-1.33
5,417.00	13.44	89.99	5,315.09	4,013.09	-30.48	903.58	904.02	0.32	0.31	0.30
5,511.00	12.50	81.58	5,406.69	4,104.69	-28.99	924.57	924.97	2.24	-1.00	-8.95
5,605.00	12.43	78.76	5,498.48	4,196.48	-25.53	944.55	944.88	0.65	-0.07	-3.00
Final Survey=5667' MD/ 5559' TVD										
5,667.00	13.02	77.85	5,558.96	4,256.96	-22.76	957.92	958.19	1.01	0.95	-1.47
Projection to TD=5712' MD/ 5603' TVD - M05H PBHL - M05H LP										
5,712.00	13.02	77.85	5,602.80	4,300.80	-20.62	967.84	968.06	0.00	0.00	0.00

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
5,667.00	5,558.96	-22.76	957.92	Final Survey=5667' MD/ 5559' TVD	
5,712.00	5,602.80	-20.62	967.84	Projection to TD=5712' MD/ 5603' TVD	



EQT
Survey Report

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Project:	Fayette County Chevron NAD27	MD Reference:	KB@24 @ 1302.00usft
Site:	Kovach B	North Reference:	True
Well:	M05H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Kovach M05H As Drilled		

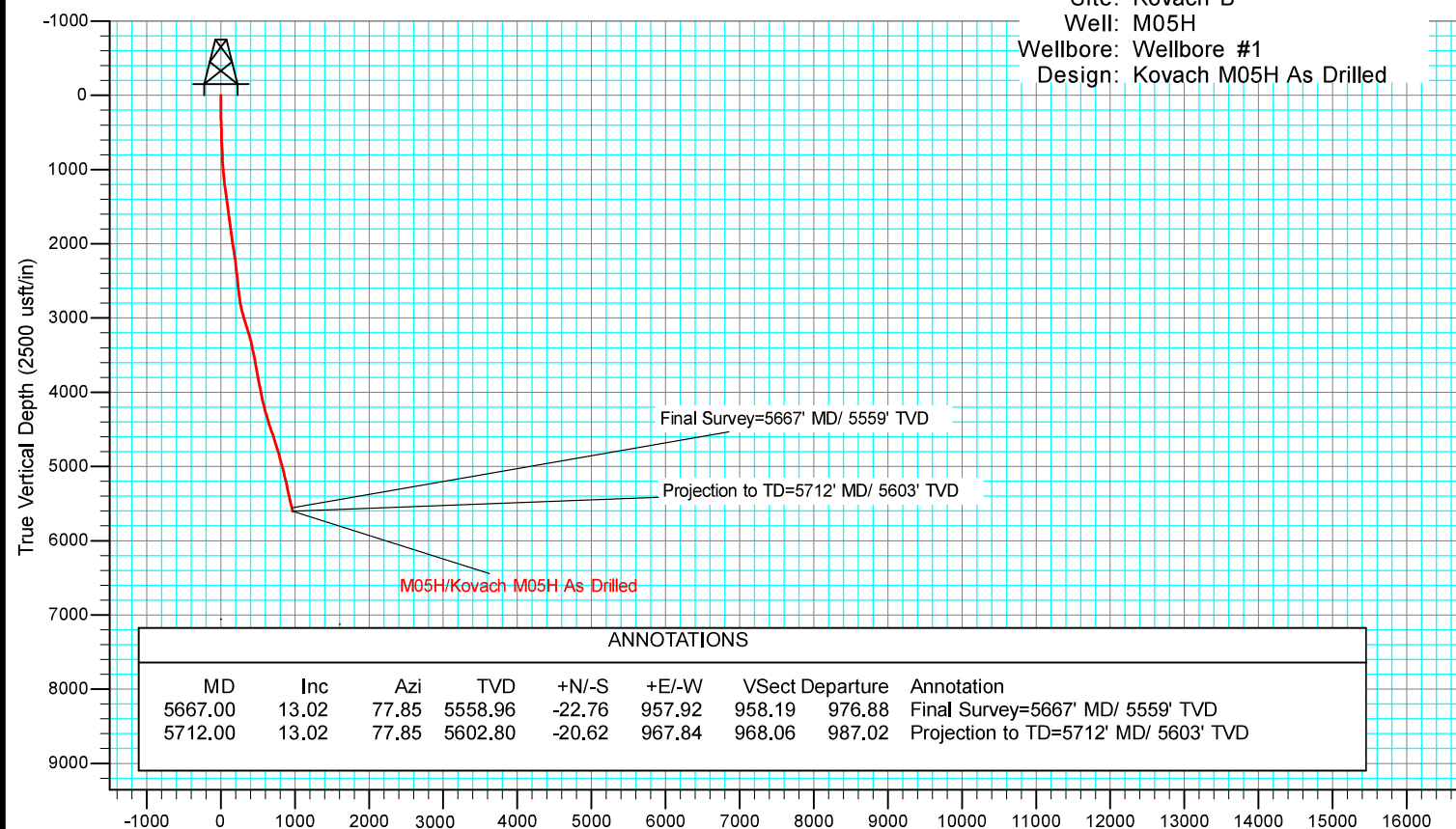
Checked By:	_____	Approved By:	_____	Date:	_____
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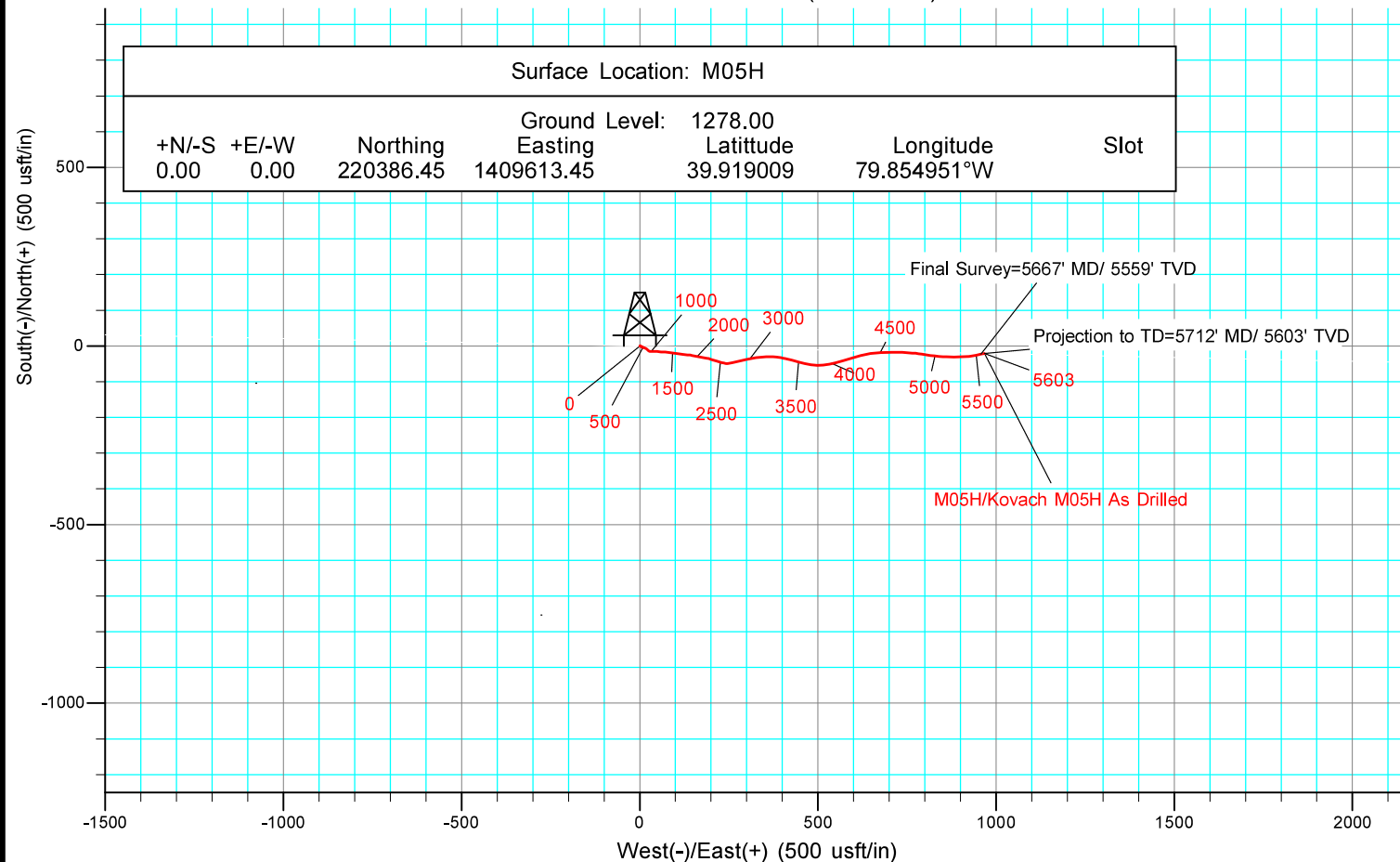
EQT PRODUCTION

KB Elevation= KB@24 @ 1302.00usft
Ground Elevation= 1278.00
All measurements were taken from KB Elevation

Project: Fayette County Chevron NAD27
Site: Kovach B
Well: M05H
Wellbore: Wellbore #1
Design: Kovach M05H As Drilled



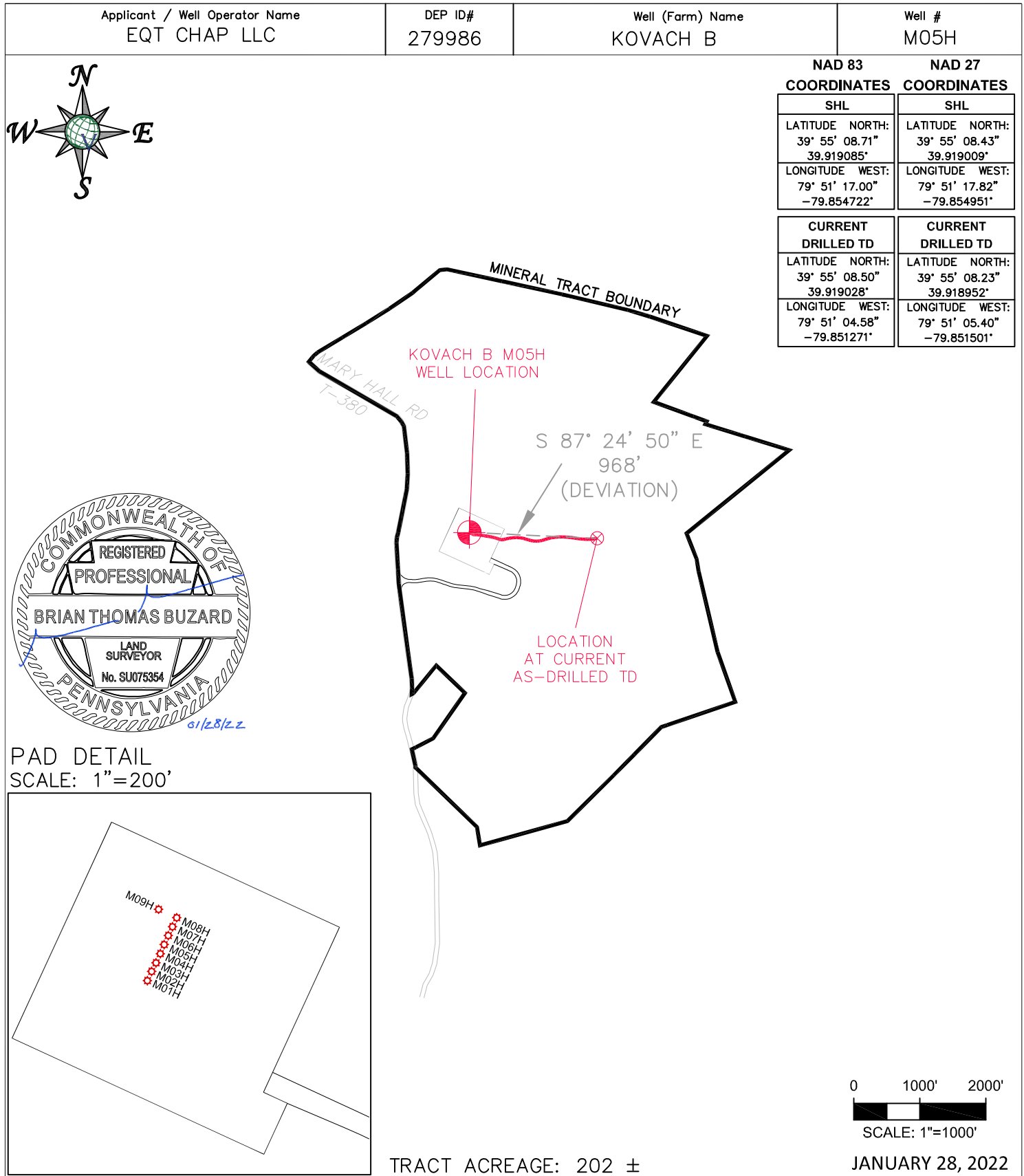
Vertical Section at 91.22° (2500 usft/in)



WELL LOCATION PLAT

Page 3 Plan View of Deviated Well Bore

If well has a lateral other than vertical show the bottom hole location on the plat drawing as \otimes and include the Coordinates in the provided section at the bottom of the drawing area. The top hole and bottom hole locations are to be connected by a bolded line this is to depict the proposed courses of the actual wellbore to be drilled.



AS-DRILLED