

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

DEP USE	ONLY
Auth No.	APS No.#
1387767	973428
Site No.	<sup>PF №</sup>
826949	828040
Client No. 279986	<sup>SF №.</sup> 1263132

## APPLICATION FOR INACTIVE WELL STATUS

Well Operator EQT CHAP LLC				DEP Client ID No 279986	0.	Well Permit or Registration No. 051-24674				
Address 400 Woodcliff	Drive					Well Farm Name KOVACH B		Well No. M03H	Serial No.	
City				ate Zip Code		County		Municipality		
Canonsburg			PA			Fayette		German Twp.		
<b>Telephone No.</b> 724-746-9073	ephone No. Fax No. Bo			rument No.		Is this an application for a extension of inactive statu			′es 🗌 No	
						Check here if this applicat for conditional inactive sta				
						association with longwall i				
Condition of the WeII Bescribe 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</i> <i>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: 🛛 Ga	is 🗌 O	il 🗌 Co	mbinatio	on Oil & Gas		Injection Stora	ge	🗌 Disposal		
Casing Diameters: Casing Length 30" 40'			-			Type and amount of cement (sacks) used for surface casing: CLASS A / 1056 SKS				
20″ 13-3/8″		604 <b>'</b> 706 <b>'</b>				bing or Production Casing Pressure Irrent): 0 psi If an oil well, state the depth to fluid in the surface casing: N/A				
9-5/8" 2565'					Ann 0 ps	Annulus Pressure (current - between tubing or production casing and surface casing): ) psi				
Tubing or production casing diameter: N/A		Tubing or proc casing length:			Are all annuli open to atmosphere? 🗌 Yes 🛛 No					
to 2,565' and co	emented t and late	o surface ral secti	with 9 ons of	65 sks Clasthe well.	ss i Ple	7 ftMD / 6,940 ftTVD A cement. The well i ase refer to the att ent condition.	s sl	nut in awaitin		
<b>Future Use of</b> <b>the Well</b> 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</i> <i>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."									DEP to make a formance with and Longwall regarding the	
Provide certification that or Significant reserv			-	eturn the well	to pi	roduction.				
Provide estimate of	f reserves:	<b>MMcf:</b> 32,	793	Bbls: 0						
The well will be used for: The well will be used for:										
This well will be ret	urned to us	e in: Month	<b>1:</b> 02			Year: 2024				
this well is loca complex wells in The time between	viously sp ted has ex the area b the 2022 d	ud by Chev: tensive geo eginning in evelopment	ological n mid-20 and thi	faulting. 22 before re s will enabl	EQT esum .e E	this and other assets plans to begin operat: ption of drilling of th QT to apply technical i ith a projected turn-in	ons nis ear	on other geolo well in August nings to the Ko	gically of 2023. vach	

#### 8000-FM-OOGM0056 Rev. 1/2018

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 <i>Guidelines for Chain Pillar Development and Longwall Mining Adjacent to Unconventional Wells</i> .								
Please include the following iter	ms with the inactive status application:								
Temporary Well Inact	tivation Procedure 🗌 Temporary Inactivat	ion Well Schemati	c 🔲 General Specifications f	or Cements/Gels					
	and Completion Report Well Location	_	I/Mechanical Well Logs						
	History Summary Well Re-entry Proce		-	n Drocedure					
	· · _ ·								
Provide additional details, if	necessary.								
Signature of App	licant (Well Operator)		DEP USE ONLY						
SignatolicuSigned by:	Date	X Approve		Date					
John Zavatchan Jr	2/10/22	by (DEP Manag		Date					
Plint or type signer's name and title: John 7	Zavatchan - Project Specialist -	<i>b f</i> ( <i>- - · · · · · · · · · ·</i>		02/20/2022					
	tting			03/30/2022					



## **EQT PRODUCTION**

Fayette County Chevron NAD27 Kovach B M03H

Wellbore #1

Design: Kovach M03H As Drilled

# **Standard Survey Report**

08 December, 2021



Project  Eventer County Character NA1027    Map System:  US State Plane 1927 (Exact solution) Geo Datum:  System Datum:  Mean Sea Level    Map Some:  Pennsylvania South 3702  System Datum:  Mean Sea Level    Site  Konnach I  System South 3702  System Datum:  Mean Sea Level    Site Pennsylvania South 3702  Northing:  220,332.05 usit 1409,988.31 usit 133/16 *  Califordia    Postion Uncertainty:  0.00 usit  Northing:  220,338.85 usit 1.409,860.05 usit 4.009,88.31 usit Longitude:  Latitude:    Veil  Model Name  Sample Date  Declination  Out wait  Field Strengt (n)    Veilion:  +N/S  0.00 usit  Weilhead Elevation:  0.00 usit  Ground Level    Weil Position  +N/S  0.00 usit  Model Revision:  0.00 usit  Torginude:    Vestion:  1.0  Phase:  ACTUAL  Te On Depth:  Direction    Vestion:  1.0  Phase:  ACTUAL  Te On Depth:  Direction    Vestion:  1.0  Phase:  ACTUAL  Te On Depth:  Direction <th></th>	
Geo Datum: map Zone:  Nonthing: Pennsylvania South 3702  220,332.05 usft Longitude: 1.409,588.31 usft Longitude: 1.3-316 <sup>±</sup> Latitude; Longitude: 1.409,588.31 usft Longitude: 1.3-316 <sup>±</sup> Latitude; Longitude: 1.409,601.05 usft Longitude: 1.409,601.05 usft Longitude: Coround Leval:    Well  MO2H  Vertical Stot Ratius:  Northing: 1.409,601.05 usft Longitude: 1.409,601.05 usft Longitude: Coround Leval:  Latitude; Longitude: Longitude: Coround Leval:  Fereinity    Well Position  #M/S = 4E.W  0.00 usft User Defined  Northing: Easting: 3.192018  220,358.85 usft 1.409,601.05 usft Coround Leval:  Latitude; Longitude: Coround Leval:  Fereinity    Wellsone:  #ELW User Defined  Sample Date  Declination: 3.192018  Dip Angle -9.32  Field Strengt (n')    Wellsone:  Model Name  Sample Date  Declination: 3.192018  Dip Angle -9.32  Field Strengt (n')    Vertical Notes:  Phase:  ACTUAL  The On Depth:  Vertical (n')  Direction (n')    Vertical Soction:  Date  128/2021  MWS  MWD c  MWD c  MWD c    Vertical Soction:  Date  128/2021  MWD c  MWD c  MWD c  MWD c  MWD c    Yery	
Site Position: From: Position Uncertainty:  Lat/Long 0.00 ust Site Radius:  Northing: 14.09,588.31 ust Site Radius:  Latitude: 13.3/16 "  Latitude: Longitude: Grid Convergence:    Well  M05H	
Prom:  Lat/Long  Easting:  1,409,588.31 usht  Longitude:  Grid Convergence:    Well  MGSM  Grid Convergence:  Grid Convergence:  Grid Convergence:    Well  MSSM  0.00 usht  Northing:  220,359.85 usht  Latitude:  Longitude:    Position Uncertainty  0.00 usht  Northing:  1,409,601.65 usht  Longitude:  Longitude:    Position Uncertainty  0.00 usht  Northing:  1,409,601.65 usht  Longitude:  Longitude:    Position Uncertainty  0.00 usht  Northing:  1,409,601.65 usht  Longitude:  Longitude:    Position Uncertainty  0.00 usht  Sample Date  Declination  0.00 usht  Field Strength    Wellbore  Wellbore  Wellbore  3/19/2018  -9.32  66.83  52,113.132    Design  Kowach M03H Ast Drilled   4V-3  Yell  Usht  Yell    Vertical Section:  1.0  Pesht From (TVD)  4N/-5  4F/-W  Description  185.27    Survey Program  Date  1	
Well Position  +N/-S +E/-W  0.00 usft 0.00 usft  Northing: Easting: 0.00 usft  220,358.85 usft 1.409,601.05 usft 0.00 usft  Latitude: Longitude: 0.00 usft  Longitude: Longitude: 0.00 usft  Field Strengt (n)    Wellbore  Model Name  Sample Date  Declination (')  Dip Angle (')  Field Strengt (n)    User Defined  3/19/2018  -9.32  66.83  52,113.136    Design  Kovach M03H As Envice        Version:  1.0  Phase:  ACTUAL  Tie On Depth:     Vertical Section:  Depth From (TVD) (usft)  +M/S  +E/-W (usft)  Direction (r)     Survey Program  Date  12/8/2021       From 0  0.00  7.027.00 MWD (Wellbore #1)  MWD c  MWD - Standard c     Survey  Vertical Subsea (r) (r) (usft)  (usft)  +N/S  +E/-W (usft)  Dogleg (r) (100usft) <td>39.92 -79.86 -1.37°</td>	39.92 -79.86 -1.37°
•E/-W  0.00 usft  Easting:  1.409.601.05 usft  Longitude:    Position Uncertainty  0.00 usft  Weilbead Elevation:  0.00 usft  Ground Level:    Weilbore  Weilbore  Model Name  Sample Date  Declination (')  Dip Angle (')  Field Strengt (')    Magnetics  Model Name  Sample Date  Declination (')  Dip Angle (')  Field Strengt (')    User Defined  3/19/2018  -9.32  66.83  52,113.130    Design  Kowach M03H As Drilled  -  <	
Wellbore  Wellbore #I    Magnetics  Model Name  Sample Date  Declination (*)  Dip Angle (*)  Field Strengt (*)    User Defined  3/19/2018  -9.32  66.83  52,113.13c    Design  Kovach M03H As Drilled	39.918933 79.854993°W 1,278.00 usf
Magnetics  Model Name  Sample Date  Declination (*)  Dip Angle (*)  Field Strong (*)    User Defined  3/19/2018  -9.32  66.83  52,113.136    Design  Kovach M03H As Drifled	1,278.00 usi
(°)  (°)  (°)  (пТ)    User Defined  3/19/2018  -9.32  66.83  52,113.136    Design  Kovach M03H As Drilled  Audit Notes:  Version:  1.0  Phase:  ACTUAL  Tie On Depth:    Version:  1.0  Phase:  ACTUAL  Tie On Depth:  Version:  (°)  (°)    Version:  1.0  Phase:  ACTUAL  Tie On Depth:  Version:  (°)  (°)    Version:  1.0  Phase:  ACTUAL  Tie On Depth:  Version:  (°) <td></td>	
User Defined  3/19/2018  -9.32  66.83  52,113.136    Design  Kovach M03H As Drilled  Kovach M03H As Drilled  Kovach M03H As Drilled    Audit Notes:  Version:  1.0  Phase:  ACTUAL  Tie On Depth:    Version:  1.0  Depth From (TVD) (usft)  +N/-S  +E/-W (usft)  Direction (usft)  Direction (r)    Survey Program  Date  12/8/2021  Tool Name  Description  Tool Name  Description    Survey  Tool (Usft)  Survey (Wellbore)  Tool Name  Description  Ture Rate  Rat	
Design  Kovach M03H As Drilled    Audit Notes:  Yersion:  1.0  Phase:  ACTUAL  Tie On Depth:    Version:  1.0  Phase:  ACTUAL  Tie On Depth:    Vertical Section:  Depth From (TVD) (usft)  +N/-S (usft)  tE/-W (usft)  Direction (usft)  Direction    Survey Program  Date  12/8/2021  Tool Name  Description    0.00  7,027.00 MWD (Wellbore)  Tool Name  Description    0.00  7,027.00 MWD (Wellbore #1)  MWD c  MWD c  MWD c  Rate (usft)  Rate (°)  Rate (°)  Rate (°)  Rate (°)  No	66932
Audit Notes:  Version:  1.0  Phase:  ACTUAL  Tie On Depth:    Version:  1.0  Depth From (TVD) (usft)  +N/-S (usft)  +E/-W (usft)  Direction (r)    Vertical Section:  Depth From (TVD) (usft)  +N/-S (usft)  +E/-W (usft)  Direction (r)    Survey Program  Date  12/8/2021	
Vertical Section:  Depth From (TVD) (usft)  +N/-S (usft)  +E/-W (usft)  Direction (usft)  Direction (usft)    Survey Program  Date 12/8/2021  0.00  0.00  0.00  185.27    Survey Program  Date 12/8/2021  Tool Name  Description  Description    0.00  7,027.00 MWD (Wellbore)  Tool Name  Description  10    Survey  Vertical Depth (')  Subsea  +K/-S  +E/-W (usft)  Dogleg  Build Rate  Turk Rate    Measured (usft)  Inclination  Azimuth (')  Depth Uusft)  Depth (usft)  0.00	
Inclination  Vertical (°)  (usft)  (usft)  (usft)  (°)    8urvey Program (°)  Date  12/8/2021  185.27  185.27    Survey Program (°)  Date  12/8/2021  Tool Name  Description  185.27    0.00  7,027.00 MWD (Wellbore)  Tool Name  Description  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  122000  0.00	0.00
Survey Program  Date  12/8/2021    From ()  To (usft)  Survey (Wellbore)  Tool Name  Description    0.00  7,027.00 MWD (Wellbore)  MWD c  MWD - Standard c    Survey  Measured (r)  Vertical (r)  Subsea Depth (usft)  Subsea Depth (usft)  +N/-S  +E/-W (usft)  Vertical (usft)  Dogleg Rate (r/100usft)  Build Rate (r/100usft)  Tur Rate (r/100usft)    0.00  0.00  0.00  -1,302.00  0.0	
From ()  To (usft)  Survey (Wellbore)  Tool Name  Description    0.00  7,027.00 MWD (Wellbore #1)  MWD c  MWD - Standard c    Survey  Measured Depth (usft)  Lection (°)  Vertical (°)  Subsea Depth (usft)  +N/-S (usft)  E/-W (usft)  Dogleg Rate (usft)  Build Rate (°/100usft)  Tu Rate (°/100usft)    0.00  0.00  0.00  -1,302.00  0.00	
From ()  To (usft)  Survey (Wellbore)  Tool Name  Description    0.00  7,027.00 MWD (Wellbore #1)  MWD c  MWD - Standard c    Survey  Measured Depth (usft)  Lastington (not be able to b	
()  (usft)  Survey (Wellbore)  Tool Name  Description    0.00  7,027.00 MWD (Wellbore #1)  MWD c  MWD - Standard c    Survey  Measured  Inclination (°)  Azimuth (°)  Subsea Depth (usft)  +N/-S  +E/-W (usft)  Dogleg Rate (°/100usft)  Build Rate (°/100usft)  Build Rate (°/100usft)  Build Rate (°/100usft)  Build Rate (°/100usft)  Color (°/100usft)  Dogleg (°/100usft)  Build Rate (°/100usft)  Color (°/100usft)	
Survey  Vertical Depth (°)  Subsea (°/100usft)  Vertical Depth (°)  Subsea Depth (°)  Vertical (°/100usft)  Dogleg (°/100usft)  Build Ture Rate (°/100usft)  Rate (°/100usft)  Build (°/100usft)  Ture Rate (°/100usft)  Rate (°/100usft) <t< td=""><td></td></t<>	
Measured Depth (usft)  Inclination (°)  Azimuth (°)  Depth (usft)  Subsea Depth (usft)  +N/-S (usft)  +E/-W (usft)  Vertical Section (usft)  Dogleg Rate (°/100usft)  Build Rate (°/100usft)  Turk Rate (°/100usft)    0.00  0.00  0.00  0.00  -1,302.00  0.00	
Depth (usft)  Inclination (°)  Azimuth (°)  Depth (usft)  Depth (usft)  +N/-S (usft)  +E/-W (usft)  Section (usft)  Rate (°/100usft)  Rate (°/10u	
100.000.8871.95100.00-1,202.000.240.73-0.300.880.880.00125.000.8770.65124.99-1,177.010.361.09-0.460.09-0.04-5.20150.001.1286.83149.99-1,152.010.441.51-0.571.491.0064.72175.001.4792.04174.98-1,127.020.442.08-0.631.481.4020.84	e
125.000.8770.65124.99-1,177.010.361.09-0.460.09-0.04-5.20150.001.1286.83149.99-1,152.010.441.51-0.571.491.0064.72175.001.4792.04174.98-1,127.020.442.08-0.631.481.4020.84	
150.001.1286.83149.99-1,152.010.441.51-0.571.491.0064.72175.001.4792.04174.98-1,127.020.442.08-0.631.481.4020.84	
175.00 1.47 92.04 174.98 -1,127.02 0.44 2.08 -0.63 1.48 1.40 20.84	
200.00 1.61 105.98 199.97 -1,102.03 0.33 2.74 -0.58 1.59 0.56 55.76	
225.00  1.50  112.15  224.96  -1,077.04  0.11  3.38  -0.42  0.80  -0.44  24.68    050.00  1.40  1.00.10  240.00  4.050.04  0.40  0.40  1.05  0.44  24.68	
250.00  1.49  122.18  249.96  -1,052.04  -0.19  3.96  -0.18  1.05  -0.04  40.12    275.00  1.57  125.64  274.95  -1,027.05  -0.56  4.51  0.14  0.49  0.32  13.84	



Database:EDM\_DefinitiveCompany:EQT PRODUCTIONProject:Fayette County Chevron NAD27Site:Kovach BWell:M03HWellbore:Wellbore #1Design:Kovach M03H As Drilled

#### Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well M03H KB@24 @ 1302.00usf KB@24 @ 1302.00usf True

Minimum Curvature

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	1.36	124.52	299.94	-1,002.06	-0.93	5.03	0.46	0.85	-0.84	-4.48
325.00	1.28	123.47	324.93	-977.07	-1.25	5.51	0.74	0.33	-0.32	-4.20
350.00	1.28	124.14	349.93	-952.07	-1.56	5.97	1.00	0.06	0.00	2.68
375.00	1.19	124.46	374.92	-927.08	-1.86	6.42	1.26	0.36	-0.36	1.28
400.00	1.36	121.31	399.91	-902.09	-2.16	6.89	1.52	0.74	0.68	-12.60
425.00	1.32	121.70	424.91	-877.09	-2.47	7.38	1.78	0.16	-0.16	1.56
450.00	1.23	127.13		-852.10	-2.78	7.84	2.05	0.60	-0.36	21.72
475.00	1.38	129.98	474.89	-827.11	-3.14	8.29	2.36	0.65	0.60	11.40
500.00	1.42	130.92	499.89	-802.11	-3.53	8.75	2.71	0.18	0.16	3.76
525.00	1.46	127.18	524.88	-777.12	-3.93	9.24	3.06	0.41	0.16	-14.96
550.00	1.53	132.70	549.87	-752.13	-4.35	9.74	3.43	0.64	0.28	22.08
575.00	1.57	132.55	574.86	-727.14	-4.81	10.24	3.85	0.16	0.16	-0.60
600.00	1.66	122.56	599.85	-702.15	-5.23	10.80	4.22	1.18	0.36	-39.96
625.00	1.97	120.50	624.84	-677.16	-5.65	11.47	4.57	1.27	1.24	-8.24
650.00	2.44	113.23	649.82	-652.18	-6.07	12.33	4.91	2.18	1.88	-29.08
669.00	2.65	102.87	668.80	-633.20	-6.33	13.13	5.10	2.66	1.11	-54.53
784.00	3.15	109.47	783.65	-518.35	-7.98	18.70	6.22	0.52	0.43	5.74
815.00	3.33	111.42	814.61	-487.39	-8.59	20.34	6.68	0.68	0.58	6.29
878.00	3.09	111.54	877.51	-424.49	-9.88	23.62	7.67	0.38	-0.38	0.19
971.00	2.39	109.78	970.40	-331.60	-11.46	27.78	8.86	0.76	-0.75	-1.89
1,064.00	1.38	110.29	1,063.35	-238.65	-12.50	30.66	9.63	1.09	-1.09	0.55
1,157.00	0.84	137.97	1,156.33	-145.67	-13.40	32.16	10.38	0.80	-0.58	29.76
1,251.00	0.69	187.37	1,250.32	-51.68	-14.47	32.55	11.42	0.70	-0.16	52.55
1,344.00	0.88	176.24	1,343.31	41.31	-15.74	32.53	12.68	0.26	0.20	-11.97
1,438.00	1.19	152.51	1,437.30	135.30	-17.32	33.02	14.22	0.56	0.33	-25.24
1,532.00	2.28	151.58	1,531.26	229.26	-19.83	34.36	16.59	1.16	1.16	-0.99
1,625.00	3.79	172.22	1,624.12	322.12	-24.51	35.66	21.13	1.98	1.62	22.19
1,719.00	4.95	177.82	1,717.85	415.85	-31.64	36.24	28.17	1.31	1.23	5.96
1,812.00	4.51	181.44	1,810.53	508.53	-39.30	36.30	35.80	0.57	-0.47	3.89
1,906.00	5.09	190.01	1,904.20	602.20	-47.10	35.48	43.64	0.98	0.62	9.12
2,001.00	5.57	191.83	1,998.79	696.79	-55.77	33.80	52.42	0.54	0.51	1.92
2,095.00	5.65	193.24	2,092.34		-64.74	31.81	61.54		0.09	1.50
2,188.00	5.26	194.91	2,184.92	882.92	-73.31	29.66	70.28	0.45	-0.42	1.80
2,282.00	4.36	194.35	2,278.59	976.59	-80.94	27.67	78.05	0.96	-0.96	-0.60
2,375.00	4.27	190.98	2,371.33	1,069.33	-87.76	26.13	84.99	0.29	-0.10	-3.62
2,469.00	4.29	193.00	2,465.06	1,163.06	-94.62	24.67	91.95	0.16	0.02	2.15
2,554.00	4.12	194.18	2,549.84	1,247.84	-100.68	23.21	98.12		-0.20	1.39
2,609.00	4.15	191.80	2,604.69	1,302.69	-104.54	22.32	102.05	0.32	0.05	-4.33
2,703.00	4.71	189.42	2,698.41	1,396.41	-111.68	20.99	109.28	0.63	0.60	-2.53
2,796.00	6.19	194.70	2,790.99	1,488.99	-120.30	19.10	118.03	1.68	1.59	5.68
2,889.00	7.55	194.74	2,883.32	1,581.32	-131.06	16.27	129.01	1.46	1.46	0.04
2,985.00	7.86	195.42	2,978.45	1,676.45	-143.48	12.92	141.69	0.34	0.32	0.71



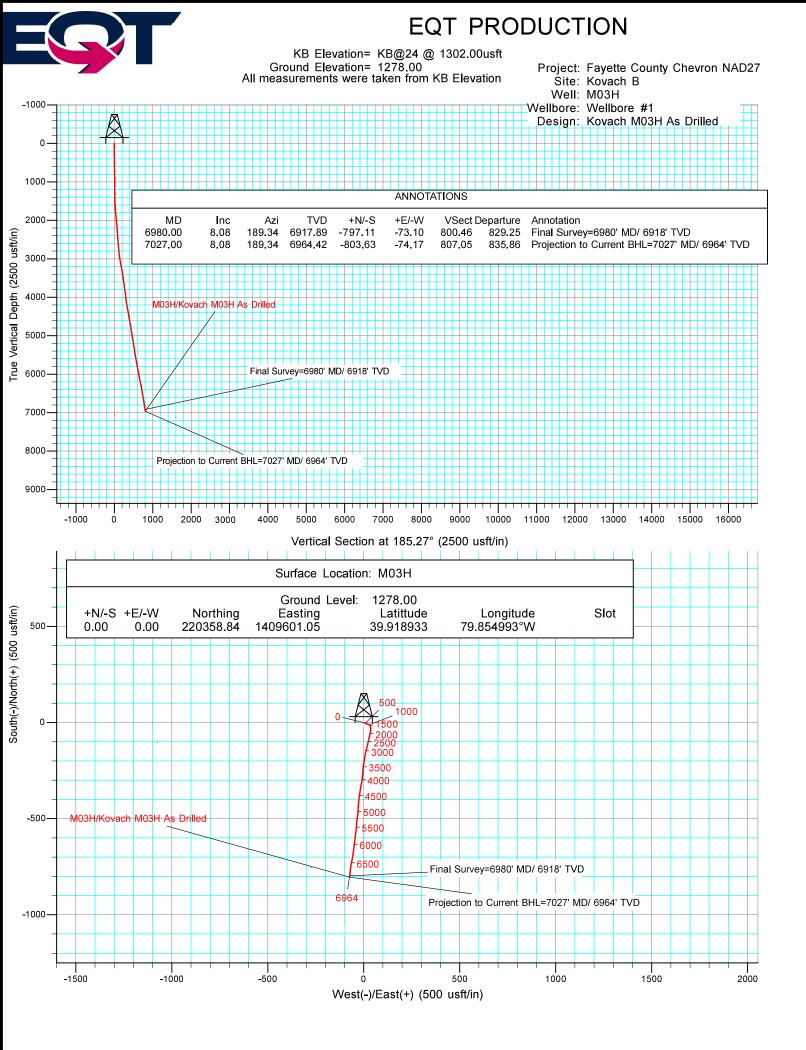
Local Co-ordinate Reference: Database: Company: **TVD Reference:** Project: **MD Reference:** Site: North Reference: Well: **Survey Calculation Method:** Wellbore: Design: Survey Vertical Subsea Vertical Dogleg Build Turn Measured Depth +N/-S Depth Inclination Azimuth Depth +E/-W Section Rate Rate Rate (°/100usft) (usft) (usft) (usft) (°/100usft) (°/100usft) (usft) (°) (°) (usft) (usft) 3,078.00 9.71 191.81 3,070.36 1,768.36 -157.29 9.62 155.74 2.07 1.99 -3.88 3,172.00 11.08 189.46 3,162.81 1,860.81 -173.96 6.51 172.63 1.53 1.46 -2.50 3,265.00 10.87 188.25 3,254.11 1,952.11 -191.45 3.79 190.30 0.34 -0.23 -1.30 3,359.00 8.77 189.78 3,346.73 2,044.73 -207.29 1.30 206.29 2.25 -2.23 1.63 3,453.00 8.36 189.28 3,439.68 2,137.68 -221.10-1.02 220.25 0.44 -0.44 -0.53 3,546.00 8.15 187.51 3,531.72 2,229.72 -234.30 -2.97 233.58 0.35 -0.23 -1.90 3,639.00 7.86 184.39 3,623.81 2,321.81 -247.18 -4.32 246.53 0.56 -0.31 -3.35 3,733.00 7.45 181.35 3,716.98 2,414.98 -259.68 -4.96 259.04 0.61 -0.44 -3.23 184.89 3,809.19 2,507.19 0.50 0.05 3,826.00 7.50 -271.76 -5.62 271.12 3.81 3 920 00 7 71 187.79 3.902.36 2.600.36 -284 11 -6 99 283.56 0 47 0.22 3 09 186.71 3 994 53 2 692 53 -296.38 295.91 4,013.00 7.57 -8.56 0.22 -0.15 -1.16 4,087.59 2,785.59 309.14 4,107.00 189.85 -309.49 -10.49 1.23 1.14 3.34 8.64 4.201.00 9.67 190 84 4,180.39 2,878.39 -324.20 -13.18 324 04 1 11 1.10 1.05 4,294.00 9.98 190.46 4.272.03 2.970.03 -339.79 -16.11 339.84 0.34 0.33 -0.41 4,364.62 3,062.62 4,388.00 9.92 189.31 -355.79 -18.90 356.02 0.22 -0.06 -1.22 4,481.00 9.31 187.56 4,456.31 3,154.31 -371.16 -21.19 371.53 0.73 -0.66 -1.88 4,575.00 10.36 187.74 4,548.93 3,246.93 -387.07 -23.32 387.57 1.12 1.12 0.19 186.51 4,640.41 3,338.41 -403.69 404.31 0.03 4.668.00 10.39 -25.40 0.24 -1.32 4,764.00 9.74 185.67 4,734.93 3,432.93 -420.37 -27.18 421.09 0.69 -0.68 -0.88 4,858.00 9.48 184.19 4,827.61 3,525.61 -436.00 -28.54 436.78 0.38 -0.28 -1.57 4,951.00 9.03 182.66 4,919.40 3,617.40 -450.93 -29.43 451.73 0.55 -0.48 -1.65 5,045.00 8.91 183.89 5,012.25 3,710.25 -465.56 466.37 0.24 -0.13 -30.27 1.31 5,139.00 9.02 184.85 5,105.10 3,803.10 -480.17 -31.39 481.02 0.20 0.12 1.02 5,232.00 188.31 5,196.90 3,894.90 495.93 9.45 -494.99 -33.11 0.75 0.46 3.72 9.42 187.20 5 289 63 3 987 63 -510.25 -35.19 511.33 0.20 -0.03 5,326.00 -1.185 381 40 4 079 40 5,419.00 9.18 184.70 -525.20 -36.75 526.35 0.51 -0.26 -2.69 5.474.23 4.172.23 5.513.00 8.92 184 37 -539.94 -37.92 541.14 0.28 -0.28 -0.35 5.565.95 4.263.95 5.606.00 10.09 186 20 -555.23 -39 35 556 49 1.30 1.26 1.97 5,700.00 10 41 186.63 5.658.45 4.356.45 -571.85 -41.22 573.21 0.35 0.34 0.46 5,749.98 4,447.98 5,793.00 10.00 186.36 -588.22 -43.08 589.69 0.44 -0.44 -0.29 5,887.00 10.06 189.46 5,842.55 4,540.55 -604.43 -45.34 606.04 0.58 0.06 3.30 5,981.00 10.18 186.73 5,935.09 4,633.08 -620.78 -47.66 622.53 0.53 0.13 -2.90 10.81 187.41 6,026.53 4,724.53 -637.59 -49.75 6.074.00 639.46 0.69 0.68 0.73 6,168.00 11.22 187.28 6,118.80 4,816.80 -655.40 -52.04 657.41 0.44 0.44 -0.14 6,262.00 12.11 187.33 6,210.85 4,908.85 -674.25 -54.46 676.40 0.95 0.95 0.05 6,355.00 11.54 189.34 6,301.88 4,999.88 -693.10 -57.21 695.43 0.76 -0.61 2.16 6,449.00 10.87 191.20 6,394.09 5,092.09 -711.08 713.62 -0.71 -60.460.81 1.98



Database: Company: Project: Site: Well: Wellbore: Design:	EDM_Definitiv EQT PRODUC Fayette Count Kovach B M03H Wellbore #1 Kovach M03H	CTION y Chevron NAI	D27		Local Co-ordina TVD Reference: MD Reference: North Reference Survey Calculati		KB@ KB@ True	M03H 024 @ 1302.0 024 @ 1302.0 num Curvatur		
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)
6,980.00	8.08	189.34	6,917.89	5,615.89	-797.11	-73.10	800.46	1.88	-1.83	3.02
Projecti	on to Current I	BHL=7027' MD	/ 6964' TVD -	Kovach SE2	G - Kovach SE2 H	- Kovach SE	2 D - Kovach	SE2 LP - Kov	ach SE2 I - K	ovac
7,027.00	8.08	189.34	6,964.42	5,662.42	-803.63	-74.17	807.05	0.00	0.00	0.00

Measured		Vertical	Local Coordinates		
	Depth	Depth	+N/-S	+E/-W	
	(usft)	(usft)	(usft)	(usft)	Comment
	6,980.00	6,917.89	-797.11	-73.10	Final Survey=6980' MD/ 6918' TVD
	7.027.00	6.964.42	-803.63	-74.17	Projection to Current BHL=7027' MD/ 6964' TVD

Checked By:	Approved By:	Date:
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#### 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.

