8000-FM-OOGM0056 Rev. 1/2018

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DEPARTMENT OF ENVIRONMENTAL

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THE RECEIVED COMMON DEPARTMENT OFFICE OFFICE

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

DEP USE ONLY

Auth No. 124 5075

Site No. 730338

Client No. 379489

PF No. 794150

SEP 1 0 2018

### APPLICATION FOR INACTIVE WELL STATUS

SEL I							170	110	00		
Well Operators T REGION  PER Client ID No. Well Permit or Registration No. 37-051-24218  Waddress Well Farm Name Well No. Serial No.											
Fire analysis 279489						37-051-24218					
VAddress						Well Farm Name Well No. Ser					
500 Lee Street, East			Sprou		Sproul		7005				
City				Zip Code		County	Municipality				
Charleston			WV	25301		Fayette	Stewar	t Town	shin		
Telephone No.	Fax No.			trument No.		Is this an application for annu-		C IOWI	ЮПТР		
304-205-	304-3	100	HELECTRIC WINE	2-1002		extension of inactive status?	aı		Пмо		
A CONTRACTOR OF THE CONTRACTOR	AND WARREN	000-	10012 1002			exterision of mactive status:		☑ 169			
8503	0149			Check here if this application is being subm			nitted				
						for conditional inactive status in					
						association with longwall mini					
									I		
of the Well	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 Guidelines for Chain Pillar Development and Longwall Mining Adjacent to Unconventional Wells, 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: ⊠ G	Gas □ O	il 🗌 Co	mbinati	on Oil & Gas		☐ Injection ☐ Storage	☐ Dispo	sal			
Casing Diameters:		Casing Length	ns:		Туре	Type and amount of cement (sacks),used for surface casing:					
13 3/8"		505 ft	t			Class A 15.6ppg - 397sks (81.2 bbl)					
9 5/8"							f an oil well, state				
3 370	9 5/8" 2081 ft				(curr	ent): 3,300 psi	fluid in the surfac	e casing: N	/A		
5 1/2"							ace casing):				
Tubing or production casing diameter: 2 3/8'	,	Tubing or proc casing length:			Are	all annuli open to atmosphe	ere? 🛚 Yes	s 🗌 No			
Other information ab	out the well's co	ndition:									
Well was d	rilled a	s a ver	tical	wildcat	t to	o TD, and complet	ed. 20"	condu	ctor		
Well was drilled as a vertical wildcat to TD, and completed. 20" conductor											
casing was set at 47'. An Arrow Set 1X Packer is set at 7760.58' along with a cast iron bridge plug set at 7890' to isolate perforations.											
a cast iro							The second secon				
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 Guidelines for Chain Pillar Development and Longwall Mining Adjacent to Unconventional Wells, 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	t one of the followi	ng applies (chec	k one):						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Significant rese	Significant reserves remain in place and I plan to return the well to production.										
Provide estimate of reserves: MMcf: 650 Bbls:											
The well will be used for: Disposal Storage Dobservation Injection – Recovery Other (describe)											
This well will be r	This well will be returned to use in: Month: June  Year: 2023										
State your plan for fu	State your plan for future use of the well.										
			v on	successi	Eul	completion of pl	anned ne	earby			
									acte		
	interstate pipeline takeaway capacity. Triana Energy respectfully requests										
time to allow these projects to provide more economic markets.											

Conditional
<b>Inactive Status</b>
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.

Checklist	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 Re	eport	Plat 🗌 Electrical	/Mechanical Well Logs					
Graphical Production	History Summary	☐ Well Re-entry Proce	edure 🗌 Post-mi	ning Well Long-term Monitorin	g Procedure				
Provide additional details, if necessary.  A significant length of production pipeline is required to move gas from this well to market. Final engineering and funding decisions depend on completion of proposed interstate pipelines, which would provide for more economic market opportunities.									
Signature of App	licant (Well O	perator)		<b>DEP USE ONLY</b>					
Signature Call	in the	Date 9-5-2018	Approved by (DEP Manag		Date				
Print or type signer's name and title: Walter	C. Showen,	III, Reg.Mgr	by (DEP Manag	ei).	10/10/18				



4 Grandview Circle Suite 203 Canonsburg, PA 15317 Telephone 724/873-8810 Direct 724/873-8814 Fax 724/873-8811 kdcoleman@marathonoil.com

February 28, 2010

Attn: Alan Eichler Regional Oil & Gas Program Manager Oil & Gas Management Pennsylvania Department of Environmental Protection Southwest Regional Office 400 Waterfront Drive Pittsburgh, PA 15222-4745

RE:

Well Record and Completion Report

Well Names: Sproul 7005

County: Fayette Township: Stewart

Dear Mr. Eichler:

Enclosed is the well record and completion report (5500-FM-OG0004) for the above captioned well. Pursuant to 58 PS 405(c)(1)(ii), we have not included any logs other than the driller's log at this time.

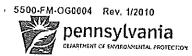
If you have any questions, please do not hesitate to contact me directly.

Thank you for your kind attention to this matter.

Kevin D. Coleman

Advanced Compliance Representative

Marathon Oil Company



# COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OIL AND GAS MANAGEMENT PROGRAM

	DEP USE (	ONLY
Site ID		Primary Fac ID
Client ld		Subfecisity (d

## Well Record and Completion Report

								1		
Well Operat	lor n Oil Compan	٧		DEP ID# 148129	Well API# (Perm 37 051 2	it / Reg) 4218	<del></del> -	Project N	umber	Acras
Address	view Circle,			110723	Well Farm Name			Welf	#	Senal #
Čity Canonsbi			State	Zip Code	Sproul County	- 0	Mu	olcipality	7005	
Рћопе 724-873-	-8814		Fax 724-	873-8811	USGS 7.5 min. qu	adrancie m	ap		ewart	
Check all t	hat apply:	☑ Original Wel		Original Compi				Section #3	·	
				ELL REC	A B A	☐ Amend				Completion Repo
Well T	ype 🗓	Gas $\sqcap$		Combination		comple	ie lhe L			back (page 2
Drilling M	ļ . ——	Rotary Air	· · · · · ·	Rotary – Mu	or entremental and the second	☐ Inject		☐ Storage	• [	] Disposal
Date Drilling : 08/15/200	Started	Date Orilling	Completed 0/08/2009	Surface Elec		Cable   Total Dep	1001 15 - Oriller 8230	ft. T	olal Depth 816	
	Casing an	d Tubing		Cement retu Cement retu	rned on surfac rned on coal p	e casing	)?	TYes	□No	1(,
Hole Size Pio	e Size Wt.	Thread / Weld	Amount in	Materia	l Behind Pipe			<u>? ∐ Yes</u> Hardware / Ci	No entralize	N/A Prs Date
17-1/2 13-		STC ;	Well (ft) 3		and Amount o1)15.6 ppg cr		Туре	Size	Dep	
12-1/4 9-5	/8 36	LTEC	1		)14.4 ppg cmt	l l			•	8/12/09
8.75 5~1	/2 17	LTEC	<u> </u>		bl)14.4 ppg c	1				10/26/09
4.892 2-3	/8 <sup>[</sup> 4,7	T-80	7785'							11/17/09
È		i	ļ	*** -****			rrow Se IBP	t 1X	7760.58	1
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Per	rforation Re	cord		VIVIE LE I I	ON REPO	ulation	D	*		
Date	1	Perforated			- Juni	Fluid	Record	l Propping Ag	ent	Average
12/9/09	7912	To 7913	Date	Interval T		<u>e</u> A	mount	_	ſ	jection Rate
12/14/09	4	7855	01/28/10	7820-78	55 Wat	cer 25	3,837	100Mesh 80	,200	74 bpm
12/28/09	7875	7935	. 01/20/14		• •	; ;			5,300	
,,		7935	01/28/10	)` 7875-793	35 Wat	er 49	1,778	: 26	1,900	74 bpm
		•				<b>**</b> -	=	40/70 " Sand 306	3,300	
•	•				٠	٠	•		:	,
Natural Open Flo	ow Was not to	ested		Natural R Pressure	ock 1276psi (		)			
After Treatment ( Flow	Open 72 mated			After Trea	/ 843 ps; Idment ~2556 (c	(MHP) Calc BHP	) /	<sub>0</sub> Hours		<sub>0</sub> Days
Well Servic		S Provide th	ne name, addo		number of all well			<sup>23</sup> Hours		<sup>20</sup> Days
lame Nabors Dri	lling USA	7	1 (49)118				mpanies Name	involved.		
ddress 515 West Greens Road			Address		ervices -Per		Super	rior Well S	Gervice	a - CMT
houst Greens Road Houston, Texas 77067			City - St	Rle − Zip	hannon-Elkin	s	RT City Sta	119 North		
hone				annon, WV 41-8340	26201		Phone	te-Zio cklick, PA	15716	
201-074-	0033			31-014U			724	-428-1001		

5500-FM-OG0004 Rev. 1/2010

7.010						
			FORMA		Well API#	1: 37. 051 _24218_ 0000
(If you w	ll need more sp	ace than this pa	age, please pho	locopy the blai	nk form before filling i	it in t
Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Sand, shale	25	360		, , , , , , , , , , , , , , , , , , , ,	1	Samples (Sand, shale
Sandstone	. 690	720			•	thru Siltstone)
Siltstone	720	780			;	Mudlog (Big Lime thru
Big Lime	796	850			į	Catskill)
Big Injun Sandstone	850	990				E-log (Fifth Sandstone
Siltstone, sandstones	990	1632	i			thru Oriskany Sandstone
Catskill	1620	1860				i
Fifth Sandstone	1890	2128	1		ļ	
Siltstone, shale	2128	2253	į		: 1	
Bayard Sandstone	2253	2325				
Siltstone, shale	2325	2616	;			
Speechley Sandstones	2616	2770	İ			
Siltstone, shale	2770	2940				
Balltown Sandstones	2940	3050			! !	
Siltstone, shale	3050	3750	3554		†	
Riley Sandstones	3640	3673	3641			
Siltstone, sandstone, shale	3673	5062	3754		#	
Brallier Shale	5062	6540	i i		i	
Harrell Shale	6540 <sup>1</sup>		870 thru Ma	rcellue	į	
Burket Shale	7160	7196		recilus		
Tully Limestone	7196	7260		;		
Hamilton/Mahantango Shale	7260	7752	į	į	;	
Marcellus Shale	7752	7928	1	1	ĺ	
Onondaga Limestone	7928	7948			į	
Huntersville Chert	7948	8070	1			
Needmore Shale	8070	8088	!			
Oriskany Sandstone	8088	8160	į		į	
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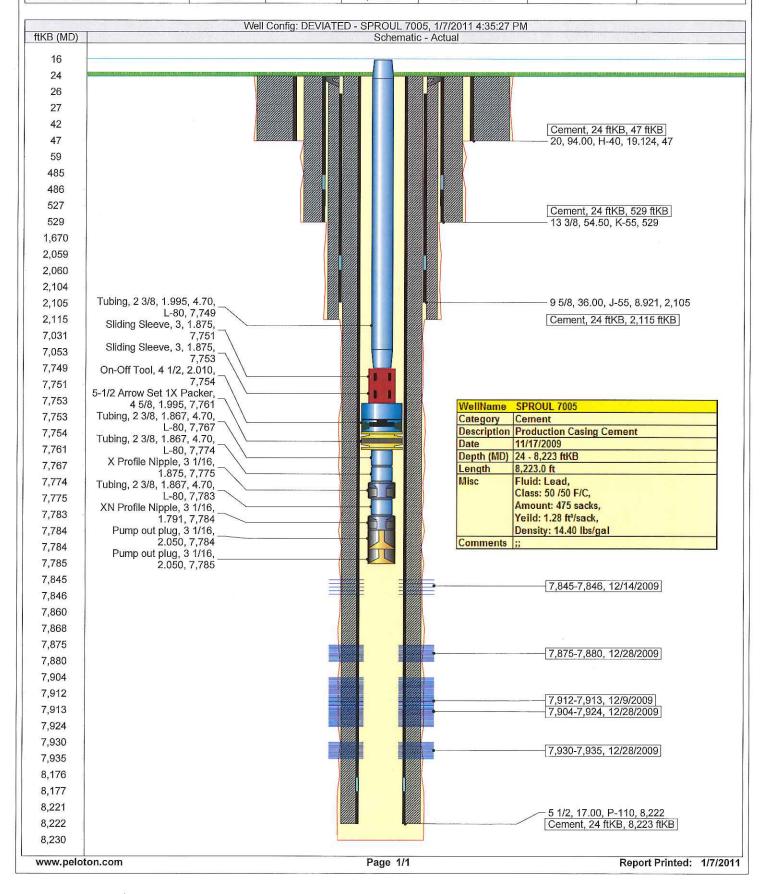
I do hereby certify to the best of my knowledge, information and belief that the well identified on this Well Record and Completion Report has been properly cased and cemented in accordance with the requirements of 25 Pa. Code Chapter 78 and any conditions contained in the permit for this well. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator's Signature	DEP USE ONLY
11/1-	Reviewed by: Date:
Tille: MM	944
ASSET Manager 7 6 FEBID	Comments:
7 7 7 10 1 11310	



## Wellbore Schematic(1) Well Name: SPROUL 7005

County Field Name Longitude (°) State/Province Latitude (° N/S Dist (ft) North/South Reference FAYETTE PENNSYLVANIA **FAYETTE SOUTH** 39.856133 -79.536750 API/ IPO UWI KB-Grd (ft) KB-MudLn (ft) Ground Elevation (ft) Spud Date Completion Date On Production Date 8/16/2009 37051242180000 24.00 1,915.00



September 5, 2018



Ms. Diane McDaniel O+G
Pa Department of Environmental Protection
Southwest Regional Office
Bureau of Oil & Gas
400 Waterfront Drive
Pittsburgh, Pa 15222

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SEP 1 0 2018

DEP, SOUTHWEST REGION WASTE MANAGEMENT

Re: Triana Energy, LLC – MAWC 7020 (37-051-24303), MAWC 7020 3H (37-051-24464) and Sproul 7005 - Request to Extend Inactive Status

-Dear Ms. McDaniel

Please find enclosed a fully executed Form 8000-FM-OOGM0056 requesting the extension of Inactive Status for the referenced natural gas wells owned and operated by Triana Energy, LLC (Triana), in Springfield and Stewart Townships, Fayette County, Pennsylvania. Triana acquired the MAWC 7020 and Sproul 7005 wells along with an acreage position from Marathon Oil Company in 2010, with the hope of developing the acreage immediately. The MAWC 7020 3H was drilled in 2011, but was not completed, due to the lack of takeaway pipeline capacity and depressed natural gas markets in the local area. Significant lengths of production pipeline are required to move gas from these wells to market.

We are aware of several interstate proposed and developing pipeline projects nearby that could provide access to more economic markets. As such, we respectfully seek additional time to allow these projects to develop, as we evaluate the best future use for these assets.

Please feel free to contact me should you have any questions or need additional information. Thank you for your consideration in this matter.

Sincerely,

Walter C. Showen, III Permitting Manager RECEIVED

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