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

MA-816117

DEP USE ONLY	
Auth No. 1245073	APS No.# 749681
Site No. 721520	PF No. 125920
Client No. 279489	SF No. 1005069

DEP, SOUTHWEST REGION
WASTE MANAGEMENT

APPLICATION FOR INACTIVE WELL STATUS

Well Operator Triana Energy, LLC		DEP Client ID No. 279489	Well Permit or Registration No. 37-051-24303	
Address 500 Lee Street, East			Well Farm Name MAWC 7020	Well No. 7020
City Charleston		State WV	Zip Code 25301	County Fayette
Telephone No. 304-205-8503		Fax No. 304-380-0149	Bond Instrument No. LOC12-1002	Municipality Springfield
Is this an application for annual extension of inactive status? <input checked="" 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 *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: Gas Oil Combination Oil & Gas Injection Storage Disposal

Casing Diameters: 13 3/8"	Casing Lengths: 587 ft	Type and amount of cement (sacks) used for surface casing: Class A 15.6ppg - 550sks (177bbl)	
9 5/8"	1837 ft	Tubing or Production Casing Pressure (current): N/A	If an oil well, state the depth to fluid in the surface casing: N/A
5 1/2"	7897 ft	Annulus Pressure (current - between tubing or production casing and surface casing): No pressure	
Tubing or production casing diameter: 5 1/2"	Tubing or production casing length: 7897	Are all annuli open to atmosphere? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Other information about the well's condition:

Well was drilled as a vertical wildcat to TD, but not completed, due to depressed Natural Gas markets in the local area. 20" conductor casing was set at 74'.

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 one of the following applies (check one):

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 Observation Injection - Recovery Other (describe)

This well will be returned to use in: Month: June

Year: 2023

State your plan for future use of the well.

Future use depends greatly on successful completion of planned nearby interstate pipeline takeaway capacity. Triana Energy respectfully requests time to allow these projects to provide more economic markets.

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> .
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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.

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 Applicant (Well Operator)		DEP USE ONLY	
Signature 	Date 9-5-2018	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	Date
Print or type signer's name and title: Walter C. Showen, III Reg.Mgr.		by (DEP Manager): 	10/10/18



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

Well Record and Completion Report

DEP USE ONLY	
Site ID	Primary Fee ID
Client Id	Subfacility Id

Well Operator Marathon Oil Company		DEP ID# 148129	Well API # (Permit / Reg) 37051-24303		Project Number	Acres
Address 4 Grandview Circle, Suite 203			Well Farm Name MAWC		Well # 7020	Serial #
City Canonsburg	State PA	Zip Code 15317	County Fayette	Municipality Springfield		
Phone 724-873-8814 / 281-435-8351		Fax 713-235-6369	USGS 7.5 min. quadrangle map Mill Run - Map Section 2			
Check all that apply: <input checked="" type="checkbox"/> Original Well Record <input type="checkbox"/> Original Completion Report <input type="checkbox"/> Amended Well Record <input type="checkbox"/> Amended Completion Report						

WELL RECORD

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 checked="" type="checkbox"/> Rotary - Mud	<input type="checkbox"/> Cable Tool			
Date Drilling Started 06/25/10		Date Drilling Completed 07/27/10		Surface Elevation 1427 ft.	Total Depth - Driller 7942 ft.	Total Depth - Logger 7920 ft.	
Casing and Tubing				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	13 3/8	64.5 lb/ft	J-55	583	550 sx (177 bbl) 15.6 ppg cmt		6/28/10
12 1/4	9 5/8	40 lb/ft	J-55	1837	540 sx (174 bbl) 15.6 ppg cmt		6/30/10
8 3/4	5 1/2	20 lb/ft	P-110	7897	675 (147 bbl) 14.4 ppg cmt		7/30/10

COMPLETION REPORT

Perforation Record			Stimulation Record						
Date	Interval Perforated From	To	Date	Interval Treated	Fluid Type	Amount	Propping Agent Type	Amount	Average Injection Rate

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OIL & GAS

Natural Open Flow	Natural Rock Pressure	Hours	Days
After Treatment Open Flow	After Treatment Rock Pressure	Hours	Days

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

Name Les Wilson Inc.	Name Superior Well Services - Cementing	Name
Address 205 Industrial Ave.	Address RT 119 North	Address
City - State - Zip Carmi, IL 62821	City - State - Zip Blackline, PA 15716	City - State - Zip
Phone 618-382-4667	Phone 724-428-1001	Phone

LOG OF FORMATIONS

Well API#: 37-051-24303-_____

(If you will need more space than this page, please photocopy the blank form before filling it in.)

Formation Name or Type	Top (feet)	Bottom (feet)	Gas at (feet)	Oil at (feet)	Water at (fresh / brine; ft.)	Source of Data
Will Submit Amended WRO completion showing formations.						

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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.

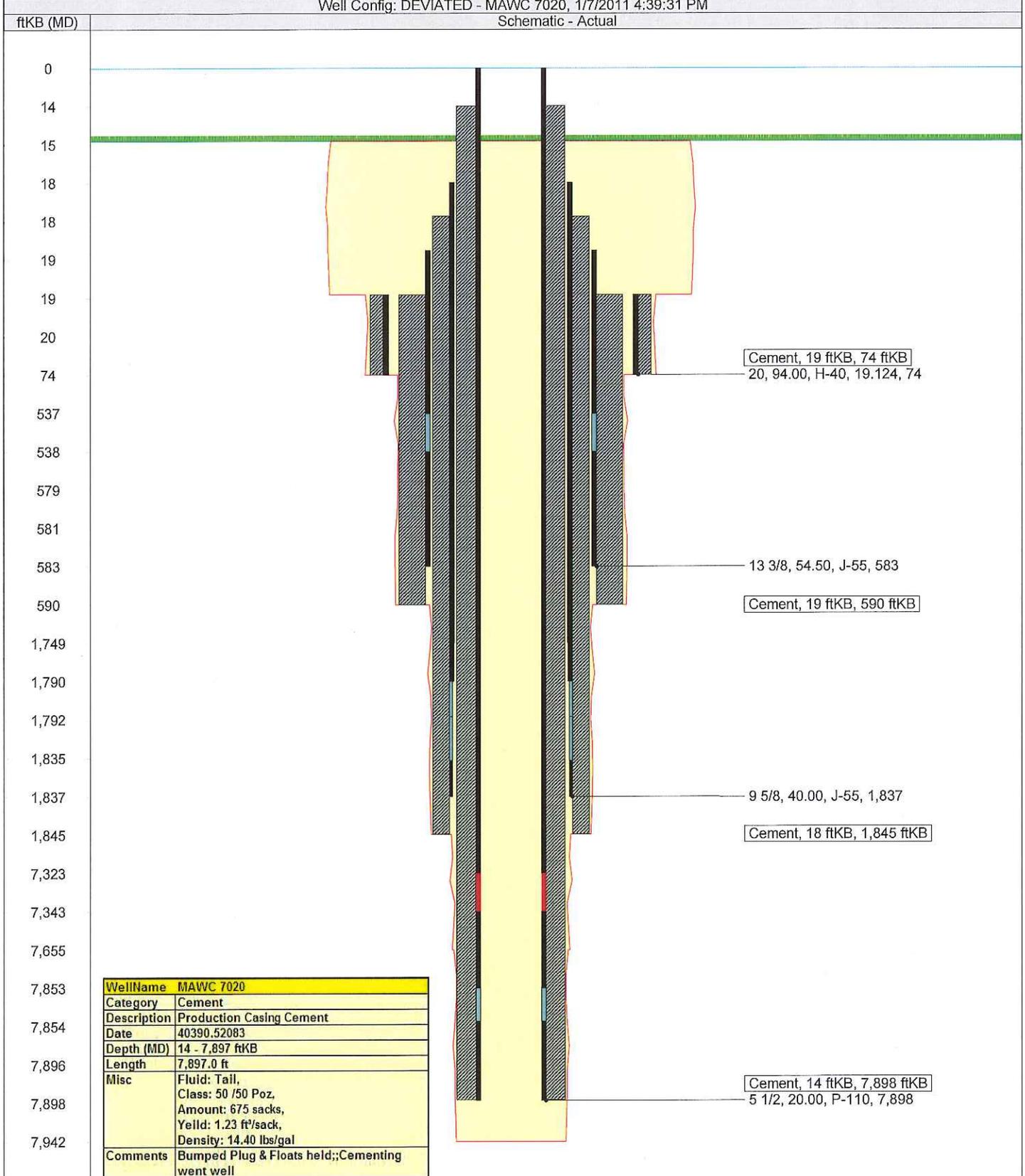
	DEP USE ONLY
Title: <u>Shauna C. Ysack</u> Regulatory Compliance Rep	Reviewed by: _____ Date: _____ Comments: _____
Date: <u>08/26/2010</u>	



Wellbore Schematic(1)
Well Name: MAWC 7020

State/Province PENNSYLVANIA	County FAYETTE	Field Name WILDCAT FOR UNNAMED FIELD	Latitude (°) 39.977720	Longitude (°) -79.437380	N/S Dist (ft)	North/South Reference
API/IPO UWI 37051243030000	KB-Grd (ft) 15.00	KB-MudLn (ft)	Ground Elevation (ft) 1,427.00	Spud Date 6/25/2010	Completion Date	On Production Date

Well Config: DEVIATED - MAWC 7020, 1/7/2011 4:39:31 PM
 Schematic - Actual



WellName	MAWC 7020
Category	Cement
Description	Production Casing Cement
Date	40390.52083
Depth (MD)	14 - 7,897 ftKB
Length	7,897.0 ft
Misc	Fluid: Tail, Class: 50 /50 Poz, Amount: 675 sacks, Yield: 1.23 ft ³ /sack, Density: 14.40 lbs/gal
Comments	Bumped Plug & Floats held;;Cementing went well