## Ezeanyim, Richard, EMNRD

From:

Maunder, Susan B < Susan.B.Maunder@conocophillips.com>

Sent:

Tuesday, May 21, 2013 10:45 AM

To:

Ezeanyim, Richard, EMNRD

Cc:

Choi, Simon; Franco, Alva

Subject: Attachments:

Requested VGEU Injection Well Data Injection Well Data Sheet002-21W \_2\_pdf; VGEU Injection Well Data Sheets.pdf; VGEU 05-03 current WBD.pdf; VGEU 002-21 WBD rev 5-16-13.pdf; 5-20-13 Copy of Attach 3

Tabulation of Data.pdf

Mr. Ezeanyim,

Good morning. Hope your week is off to a good start. ConocoPhillips Company has completed our additional review of injection well records and offer the following documents to complete our final C-108 package.

Updated Injection Well Data Sheets

Updated Wellbore Diagram for VGEU 005-03 (30-025-20829)

Updated Wellbore Diagram for VGEU 002-21 (30-025-37851)

Updated Tabulation of Data

This should be all of the information you requested during your conversation with Mr. Choi. If there is additional information needed, please let us know. Thank you for your time in reviewing our application for authorization to inject.

All the best to you, Susan Maunder 432-688-6913

## INJECTION WELL DATA SHEET

OPERATOR: ConocoPhillips Company					_
WELL NAME & NUMBER: Vacuum Glorieta Ea	st Unit (VGEU) 002-21W API :	# 30-025-37851_			
WELL LOCATION: _525' E and 1200' N;	UL A, Sec. 32, T17S, R	R35E			
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE	
WELLBORE SCHEMATIC	<u>WELL CONSTRUCTION DATA</u> Surface Casing				
	Hole Size: 12.25"  Cemented with: 620 sx lead 230 sx tai  Top of Cement: Surface	i & sx.	Casing Size:8	ned: <u>Circulated</u>	ft³
	Hole Size: Casing Size: ft <sup>3</sup>				
·	Cemented with:			nined:	
	Production Casing				
	Hole Size: 7.875"  Cemented with: 1200 sx lead 500 sx tail slu Top of Cement: Surface	&_sx. urry	or	5.5" mined: Circulated	
	Total Depth: 6345' TVD	<u>.                                    </u>			ī
		Iniection In	iterval 5926	3'-6101'	I
	current perf's 6038'	feet to	6085"		
	(Perfo	rated or Open Ho	ole; indicate whic	h)	

## **INJECTION WELL DATA SHEET**

Tubing	Size: _2.375" Lining Material:
Туре о	f Packer: 5.5 x 2.75 carbide slips NP
Packer	Setting Depth: _6006'(bottom of packer)
Other 7	Type of Tubing/Casing Seal (if applicable):
	Additional Data
1.	Is this a new well drilled for injection? YesXNo  If no, for what purpose was the well originally drilled?
2.	Name of the Injection Formation: Paddock; Glorieta
3.	Name of Field or Pool (if applicable):
4.	Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. <u>perf's 6156'-6164' squeezed w/? sx; perf's 6138' - 6148 squeezed w/? sx; perf's 6088' - 6104' squeezed w/? sx</u>
5.	Give the name and depths of any oil and gas zones underlying or overlying the proposed injection zone in this area:

## Schematic - Current ConocoPhillips VACUUM GLORIETA EAST UNIT 002-21W

Fleld Name API / UWI County State/Province **PERMIAN** VACUUM **NEW MEXICO** 3002537851 LEA Original Spud Date Surface Legal Location East/West Distance (ft) East/West Reference North/South Distance (ft) North/South Reference 4/16/2007 SEC:32;TWN:17 FNI 525.00 FEL 1,200.00 S;RNG:35 E Well Config: VERTICAL - Original Hole, 6/4/2013 9:25:23 AM - Maria Baylanda - T ftKB (MD) 12 12 80 1-1, Casing Joints; 13 3/8, 12:715, 12, 68.0 -850 sx-2-1, Casing Joints, 8 5/8, 8.097, 12, 1,536.0 1,548 cement 1,551 2-2; Float Collar, 8 5/8; 8.097, 1,548, 2.5 to 2-3, Casing Joints, 8 5/8, 8.097, 1,550, 44.5 1,595 surface 2-4, Guide Shoe, 8 5/8, 1,595, 1.0 1,596 1,602 4-1, Tubing TK-99, 2 3/8, 1.995, 12, 5,985.0 4,260 3-1, Casing Joints, 5 172, 4.950, 12, 4,248.6 4,306 3-2, DOUBLE MARKER JOINT, 5 1/2, 4.950, 4,261, 45.2 1700 sx cement to surface 5,874 3-3, Casing Joints, 5 1/2, 4.950, 4,306, 1,568.7 5,920 3-4, DOUBLE MARKER JOINT, 5 1/2, 4.950, 5,874, 45.3 5,997 4-2, XN Profile Nipple (1.875 x 1.791), 2 3/8, 1.875, 5,997, 1.0 injection 5,998 4-3, On-Off Tool T2, 4.560, 1.995, 5,998, 1.0 interval 5,999 5926'-6101' 4-4, Packer 5-1/2 X 2-3/8 carbide slips NP, 4.560, 1.995, 5,999, 7.1 6,006 4-5, Pump Out Plug, 2 3/8, 6,006, 1.0 bottom of packer 6,007 6,038 6,040 Perforated, 6,040-6;075, 6/8/2007 Perforated, 6,038-6,085, 6/16/2010 6.075 6,085 6,088 Perforated, 6,088-6,104, 8/13/2007 squeezed. 6,104 6,105 6,130 6,133 CI Bridge Plug 6,138 Perforated, 6,138-6,148, 8/13/2007 squeezed 6,148 6.156 Perforated, 6,156-6,164, 8/13/2007 squeezed 6,164 3-5, Casing Joints, 5 1/2, 4.950, 5,920, 365.0 6,285 6,286 3-6, Float Collar, 5 1/2, 4.950, 6,285, 1.6 6,328 3-7, Casing Joints, 5 1/2, 4.950, 6,286, 41.6 3-8, Float Shoe, 5 1/2, 4.950, 6,328, 1.1 6,329 6,345 Report Printed: 6/4/2013 Page 41/10 % 7/20