INJECTION WELL DATA SHEET

OPERATOR: ConocoPhillips Company					
WELL NAME & NUMBER: Vacuum Glorieta East U	nit (VGEU) 019-34W API # 3	<u>30-025-40738</u>			
WELL LOCATION: _2233' W and 2150' S;	UL K, Sec. 32, T17S, R	35E	 		
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE	
WELLBORE SCHEMATIC	<u>WELL CONSTRUCTION DATA</u> Surface Casing				
	Hole Size: _12.25" Cemented with: 600 sx lead & 300 sx tail slu Top of Cement: _Surface	k sx.	Casing Size: 8.625" or Method Determined: _	ft³	
	Intermediate Casing				
	Hole Size:	sx.	Casing Size:	ft	
	Top of Cement:	_ _	Method Determined:		
	Production Casing				
	Hole Size: 7.875" Cemented with: 1250 sx lead & 600 sx tail slurr	y .	Casing Size: 5.5	ft ³	
	Top of Cement: Surface Total Depth: 6415' TVD	 _	Method Determined	: Circulated	
	20th Depair <u>2112 1.2</u>	Iniection Ir	nterval 5970'-617	<u>'(n'</u>	
	current perf's 6096'		ole: indicate which)		

INJECTION WELL DATA SHEET

Tubing	Size: _2.375" Lining Material:PC
Туре о	f Packer: 5.5 x 2.375 carbide slips NP
Packer	Setting Depth: 6056'(bottom of packer)
Other T	Type of Tubing/Casing Seal (if applicable):
	Additional Data
1.	Is this a new well drilled for injection?XYesNo 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): Vacuum Glorieta
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.
5.	Give the name and depths of any oil and gas zones underlying or overlying the proposed injection zone in this area:

ConocoPhillips

Schematic'- Current

VACUUM GLORIETA EAST UNIT 019:34

District Field Name API / UWI County State/Province PERMIAN VACUUM 3002540738 LEA **NEW MEXICO** Original Spud Date Surface Legal Location North/South Reference East/West Reference North/South Distance (ft) East/West Distance (ft) 12/14/2012 Section 32, Township 2,233.00 **FWL** 2,150.00 **FSL** 17S, Range 35E (B (MD) | Schematic - Actual - Actual | Schematic - Actual ftKB (MD) ಎಸ್ಟ್ರಾನಿ Schematic - Actual _್ ಮಾಡಿಸಿಕ್ 13 3-9, Casing Joints, 5 1/2, 4.950, 14 13 3-8, Casing Joints, 5 1/2, 4.950, 14 14 3-7, Casing Joints, 5 1/2, 4.950, 14 15 3-6, Casing Joints, 5 1/2, 4.950, 14 16 3-5, Casing Joints, 5 1/2, 4.950, 14 − 3-4, Casing Joints, 5 1/2, 4.950, 14 − 3-3, Casing Joints, 5 1/2, 4.950, 14 19 19 -3-2, Casing Joints, 5 1/2, 4.950, 14. 59 -3-1, Casing Joints, 5 1/2, 4.950, 14 -2-5, LANDING JT, 8 5/8, 8.097, 14 75 100 - 2-4, Casing Joints, 8 5/8, 8.097, 14 1,483 900 sx-cement 2-3, Casing Joints, 8 5/8, 8.097, 14 -2-2, Casing Joints, 8 5/8, 8.097, 14 1,485 to surface 2-1, Casing Joints, 8 5/8, 8.097, 14 1,489 - 3-11, Casing Hanger (Fluted), 5 1/2, 4.950, 14, 1.7 1,528 -2-6, Casing Hanger (Fluted), 8 5/8, 8.097, 14, 2.0 1,529 - 3-12, Casing Pup Joint, 5 1/2, 4.950, 15, 3.5 1,545 - 2-7, Casing Pup Joint, 8 5/8, 8.097, 16, 3.3 1,646 - 2-8, Casing Joints, 8 5/8, 8.097, 19, 40.5 1850 sx cement 1,649 -1-1, Casing Pup Joint, 16, 15.250, 14, 61.4 to surface – 2-9, Casing Joints, 8 5/8, 8.097, 59, 40.4 1,673 - 2-11, Casing Joints, 8 5/8, 8,097, 1,483 1,677 - 2-10, Casing Joints, 8 5/8, 8.097, 100, 1,383.3 - 2-12, Float Collar, 8 5/8, 8.097, 1,483, 1.5 2,698 2,840 2-13, Casing Joints, 8 5/8, 8.097, 1,485, 43.3 3,141 2-14, Guide Shoe, 8 5/8, 8:097, 1;528, 1:0 3,689 3-13, Casing Joints, 6-1/2, 4:950, 19,-1,627-5 3-14, DVT, 5 1/2, 4.950, 1,646, 2.2 3,939 3-15 ACP 5 1/2 A 950 1 649 24 8 3,982 -1-1, Tubing TK-99, 2 3/8, 1.995, 13, 5,963.3 4,023 - 3-16, Casing Joints, 5 1/2, 4.950, 1,673, 2,265.5 4,035 - 3-17, Casing Joints, 5 1/2, 4.950, 3,939, 43.1 4,066 3-18, Casing Joints, 5 1/2, 4.950, 3,982, 41.4 3-19, Marker Joints, 5-1/2, 4.950, 4;023, 42.8 4,300 3-20, Casing Joints, 5 1/2, 4.950, 4,066, 991.2 5,057 5,096 3-21, Casing Joints, 5 1/2, 4.950, 5,057, 38.6 5.905 3-22, Casing Joints, 5 1/2, 4.950, 5,096, 809.2 5,945 3-23,-MARKER JOINT; 5 1/2, 4.950, 5,905, 40.1 5,975 injection 5,976 1-2, Tubing Marker Sub TK-99, 2 3/8, 1.995, 5,976, 6.2 interval 5,982 3-24, Casing Joints, 5 1/2, 4.950, 5,945, 43.1 5,988 5970'-6170' 1-3, Tubing TK-99, 2 3/8, 1.995, 5,982, 64.9 3-25, Casing Joints; 5 1/2, 4.950; 5,988, 40.6 ····-6.029 6,047 1-4, XN Profile Nipple (1.875 x 1.791), 2 3/8, 1.875, 6,047, 0.7 6,048 1-5, On-Off Tool T2, 4.560, 1.995, 6,048, 1.0 6,049 1-6, Packer 5-1/2 X 2-3/8 carbide slips NP, 4.560, 1.995, 6,049, 7.2 6,056 1-7, Tubing Sub, 2 3/8, 1.995, 6,056, 4.1 . . . 6,060 1-8, Pump Out Plug, 2 3/8, 6,060, 0.5 bottom of packer 6,061 6,096 Re-Perforated, 6,096-6,111, 1/8/2013 6,099 Re-Perforated, 6,111-6;121, 1/9/2013 Re-Perforated, 6,111-6,121, 1/8/2013 6,111 Perforated, 6,111-6,131, 1/8/2013 6,121 Re-Perforated, 6,121-6,132, 1/8/2013 6,131 6,132 6,138 Perforated, 6,138-6,158, 1/8/2013 6,158 6,355 3-26, Casing Joints, 5 1/2, 4,950, 6,029, 326.0 6,356 3-27; Float Collar, 5 1/2, 4:950, 6,355, 1.5 3-28, Casing Joints, 5 1/2, 4.950, 6,356, 39.1 6,395 3-29, Float Shoe, 5 1/2, 4.950, 6,395, 1.5 6,397 6,415 Page 1/1 Report Printed: 6/4/2013