PROPOSED HORIZONTAL WELL(S)

Well Name and Number		Surface Location QQ-Section-Twp-Range	Well Name and Number	Surface Location QQ-Section-Twp-Range	Well Name and Number	Surface Location QQ-Section-Twp-Range
PAPPENHEIM 23-59BH		NWNE-23-6N-62W	PAPPENHEIM 23-62BH	NENW-23-6N-62W	PAPPENHEIM 23-64CDH	NWNW-23-6N-62W
PAPPENHEIM 23-60BH		NWNE-23-6N-62W	PAPPENHEIM 23-63BH	NWNW-23-6N-62W		
PAPPENHEIM 23-61BH		NENW-23-6N-62W	PAPPENHEIM 23-64BH	NWNW-23-6N-62W		

OFFSET WELL EVALUATIONS

Offset Well API #	Offset Well Name	Nearest Proposed Horizontal Well Name	Shortest Distance from Vertical Well to any portion of Proposed HZ Well Lateral	Offset Well Operator	Spud Date	Status	Surface Casing Setting Depth	Base of Fox Hills orDepth of Deepest offset Water Well	Historical Remedial Work to Provide Fox Hills Coverage	Vertical Well Objective Formation Top	Top of Production Casing Cement	Shallower Productive Hydrocarbon Zones Within 1 Mile	Ability to Monitor Bradenhead Pressure at Surface Casing Shoe	Remedial Cementing Form 4 or Plugging Form 6 NOI Previously Submitted	Comments (Optional)
05123339540000	DUTCH LAKE 12-14H	PAPPENHEIM 23-64CDH	50'	BBC	11/30/2012	PR	800'	4500'		NBRR "B"		-			