PROPOSED HORIZONTAL WELL(S)					
	Surface Location		Surface Location		
Well Name and Number	QQ-Section-Twp-Range	Well Name and Number	QQ-Section-Twp-Range	Well Name and Number	
Postle IC 11-4HN					
Operator's Wellbore Integrity Contact	Matt Mount 303-398-0373				

OFFSET WELL EVALUATIONS

Offset Well API #	Offset Well Name	Nearest Proposed Horizontal Well Name	Shortest Horizontal Distance from Offset Well to any Proposed HZ Well	Offset Well Operator	Offset Well Spud Date	Offset Well Status	Offset Well Surface Casing Setting Depth	Base of Fox Hills or Depth of Deepest Water Well	Historical Remedial Work to Provide Fox Hills Coverage	Offset Well Objective Formation Top	Offset Well Top of Production Casing Cement	
5123107790000	OWEN #11-1	Postle IC 11-4HN	454	Sandlin	8/5/1982	AB	529	BFH<529' See comments	N	6998	6843	This well is within the 1500' offset limit. CODWR contour map of the Base of the Fox Hills shows t of 529' is below the base of the Fox Hills acquifer. An Indu Fox Hills is covered by the surface casing. The well has open perforations in the Codell, no perforatio As a result no remedial work will be required prior to fracin
5123116030000	Drieth #1	Postle IC 11-4HN	1400	Top Operating Co	1/9/1984	SI	215	BFH<215' See comments	N	6961	7040	This well is within the 1500' offset limit. CODWR contour map of the Base of the Fox Hills shows t of 215' is below the base of the Fox Hills aquifer. The well is perforated in the J-Sand and there are no perfo production casing annulus to cover the Niobrara formation The Drieth #1 is located almost due west of the 7" casing p East it means that the Niobrara formation just below the 7" avoid the need to have to attempt to squeeze cement into t Postle IC 11-4HN well at a depth that is beyond the 1500' i which will be submitted to the COGCC for confirmation pri greater than 1500' from the Drieth #1 well.
05123109230000	OWEN #11-2	Postle IC 11-4HN		Petromax		AL						
												Offset Water Wells: CODWR web page shows 3 water wells within 1 mile of su Permit #3194 Water well in NE NW Sec 11, 3N, 68W This well is 65' deep. Permit #150977 Water well in NW SW Sec 11, 3N, 68W This well is 300' deep. It was drilled in April 1989 and the w 300'. Records show that a 1 hour production test yielded a Records also indicate that the well penetrated a "Sandshal show that a permanent pump was never installed in this w intervals that were exposed in this well. Permit #1230 Water well in SW NW Sec 10, 3N, 68W This well is 54' deep.

Offset Well API #	Offset Well Name	Nearest Proposed Horizontal Well Name	Shortest Horizontal Distance from Offset Well to any Proposed HZ Well	Offset Well Operator	Offset Well Spud Date	Offset Well Status	Offset Well Surface Casing Setting Depth	Base of Fox Hills or Depth of Deepest Water Well	Historical Remedial Work to Provide Fox Hills Coverage	Offset Well Objective Formation Top	Offset Well Top of Production Casing Cement	

Surface Location
QQ-Section-Twp-Range

Comments (Optional)

hat the Fox Hills formation outcrops at surface in T3N, R68W. Therefore the surface casing depth
ction log in the offset well was run up to the surface casing shoe and shows that the Base of the

ns in the Niobrara and >100' of cement above the Niobrara in the production casing annulus.
ıg the Niobrara formation in the Postle IC 11-4HN well.

hat the Fox Hills formation outcrops at surface in T3N, R68W. Therefore the surface casing depth

ırations in the Niobrara or Codell formations. The well does not have adequate cement in the
.

point on the proposed Postle IC 11-4HN well. Since the Postle well is being drilled from West to
" casing point will be the closest possible fracture initiation point to the Drieth #1 well. In order to
the annulus of the Drieth #1 well, Great Western will set the 7" intermediate casing shoe on the
radius around the Drieth well. This will be confirmed by the directional survey and casing tally
or to initiation of frac operations. This will ensure that the closest fracutre initiation point will be

ırface location.

well was completed with 4" casing with solid pipe from 0 - 150' and perforated pipe from 150' -
. sustained rate of only 0.5 gal/min and that the well was completely pumped off at that low rate.
e" at 35' and that from 35' depth to 300' depth the formation drilled was "Grey Shale". Records
ell. This information indicates that there are no formations capable of producing fresh water in the

Comments (Optional)