Operator's Area Review Contact: ryan@petersonenergyoperating.com

AREA OF REVIEW OFFSET WELL EVALUATIONS

Offset Well API #	Offset Well Name	Offset Well Operator	Offset Well Status	Depth of Base of Aquifer	Offset Well Surface Casing Setting Depth	Offset Well Completed Formation Top	Offset Well Top of Production Casing Cement	Abandoned Wells	Active Wells		Comment (Optional)
								To be Replugged (yes or no?)	Requires Casing Repair (yes or no?)	To be Plugged (yes or no?)	
05-121-09427	FRIEND A-1	BEREN CORPORATION	DA	207	193	0	0	No	No	No	Hole filled with 10ppg mud, 15 sx cement at base of surface, 10 sx at top of surface. This well is outside the ¼ mi remediation radius and will not see a pressure change large enough to overcome 4000' of hydrostatic pressure from water or drilling mud and the cement plugs. This well will not pose a threat to public health, safety or the environment. The water injected is effective replacing water produced and will not cause D & J sand formation pressures to increase because of the net negative fluid balance.
05-121-08795	FRIEND 1	R D BREW	DA	207	224	0	0	No	No	No	15 sx cement set at base of surface 225', 10 sx plug set at surface. This well is outside the ¼ mi remediation radius and will not see a pressure change large enough to overcome 4000' of hydrostatic pressure from water or drilling mud and the cement plugs. This well will not pose a threat to public health, safety or the environment. The water injected is effectively replacing water produced and will not cause D & J sand formation pressures to increase because of the net negative fluid balance.
05-121-10859	CHURCH #43-25	EDWARD MIKE DAVIS, LLC	DA	207	327	0	0	No	No	No	40 sx OH plug 3921'-3801', 40 sx OH plug 3066'-3945', 40 sx base of surface casing plug 360'-262', 10 sx top of surface plug. Proper well construction and abandonment cementing mean this well will not pose a threat to public health safety or the environment as it relates to the Church 41-25 UIC application.
05-121-05379	CHURCH #1	ALFRED WARD & SON	DA	207	178	0	0	No	No	No	Hole was filled with Heavy mud, 15 sx cement plug in base of surface casing, and 10 sx cement plug in top of surface casing. This well is outside the ¼ mi remediation radius and will not see a pressure change large enough to overcome 4000' of hydrostatic pressure from water or drilling mud and the cement plugs. This well will not pose a threat to public health, safety or the environment. The water injected is effectively replacing water produced and will not cause D & J sand formation pressures to increase because of the net negative fluid balance.
05-121-05448	JOHN W JONES 1	ARTHUR M GUIDA	DA	207	150	0	0	No	No	No	Hole was filled with Heavy mud, 15 sx cement plug in base of surface casing, and 10 sx cement plug in top of surface casing. TThis well is outside the ¼ mi remediation radius and will not see a pressure change large enough to overcome 4000' of hydrostatic pressure from water or drilling mud and the cement plugs. This well will not pose a threat to public health, safety or the environment. The water injected is effectively replacing water produced and will not cause D & J sand formation pressures to increase because of the net negative fluid balance.
05-121-05422	CHURCH #1	AMERADA HESS CORP	DA	207	215	0	0	No	No	No	55 sx plug 4048'-3872', 20 sx plug 240'-190', 4 sx cement top of surface casing. Proper well abandonment cementing across the D and J Sands mean this well will not pose a threat to public health safety or the environment as it relates to the Church 41-25 UIC application.
05-121-05400	JONES #1	CENTRAL OPERATING INC	SI	207	235	3910	2620	No	No	No	Recently PA, CIBP @ 3850' 2 sx on top, CICR @ 2700', squeeze @ 2800' w/ 60 sx leave 20 sx 2700'-2598' on top, CICR @ 900', squeeze @ 1000' w/ 60 sx leave 20 sx 900'-798', perforate and squeeze w/ 92 sx @ 285', 58 sx 285 to 4 ft. Proper well construction, cement tops, and abandonment cementing mean this well will not pose a threat to public health safety or the environment as it relates to the Church 41-25 UIC application.
05-121-08737	CHURCH #1	SMITH ENERGY LLC	PR	207	173	2990	2900	No	No	No	No CBL on record, CIBP @ 3250' w/ 2sx on top. CICR @ 3180 and squeeze holes at 3210', 90 sx squeeze to get cement top above Niobrara. Well produces from NIO. Multiple forms of Isolation between the D and J Sands and the wellbore above mean all shallower formations including near surface aquifers are protected from any foreign fluid entry. Proper downhole Isolation in the D and J Sands mean this well will not pose a threat to public health safety or the environment as it relates to the Church 41-25 UIC application.
05-121-08776	CHURCH #2	SMITH ENERGY LLC	PR	207	179	2971	3070	No	No	No	No CBL on record, CIBP @ 3220' w/ 1 sk on top. The cement top is above the Niobrara and the well currently produces from NIO. Isolation between the D and J Sands and the wellbore above mean all shallower formations including near surface aquifers are protected from any foreign fluid entry. Proper downhole Isolation in the D and J Sands mean this well will not pose a threat to public health safety or the environment as it relates to the Church 41-25 UIC application.
05-121-08992	CHURCH #3	SMITH ENERGY LLC	PR	207	173	2948	2270	No	No	No	No CBL on record, CIBP @ 3150' w/ 1 sk on top. The cement top is above the Niobrara and the well currently produces from NIO. Isolation between the D and J Sands and the wellbore above mean all shallower formations including near surface aquifers are protected from any foreign fluid entry. Proper downhole Isolation in the D and J Sands mean this well will not pose a threat to public health safety or the environment as it relates to the Church 41-25 UIC application.
05-121-10142	CHURCH #4	SMITH ENERGY LLC	PR	207	172	2976	2056	No	No	No	No CBL on record, CIBP @ 3150' w/ 1 sk on top. The cement top is above the Niobrara and the well currently produces from NIO. Isolation between the D and J Sands and the wellbore above mean all shallower formations including near surface aquifers are protected from any foreign fluid entry. Proper downhole Isolation in the D and J Sands mean this well will not pose a threat to public health safety or the environment as it relates to the Church 41-25 UIC application.
05-121-10198	RUDNIK #1-A	SMITH ENERGY LLC	PR	207	137	2962	2230	No	No	No	Producing Niobrara gas well, cemented across D and J Sands and never perforated or completed in D or J Sands. Proper well construction and cement tops mean this well will not pose a threat to public health safety or the environment as it relates to the Church 41-25 UIC application.
05-121-09059	RUDNIK #1	SMITH ENERGY LLC	PR	207	169	2965	2650	No	No	No	Producing Niobrara gas well, cemented across D and J Sands and never perforated or completed in D or J Sands. Proper well construction and cement tops mean this well will not pose a threat to public health safety or the environment as it relates to the Church 41-25 UIC application.
05-121-10965	CHURCH #41A-25	PETERSON ENERGY OPERATING, INC	SI	207	317	3942	2890	No	No	No	Proper well construction and cement tops mean this well will not pose a threat to public health safety or the environment as it relates to the Church 41-25 UIC application.
05-121-10985	CHURCH #41B-25	PETERSON ENERGY OPERATING, INC	PR	207	350	3867	2760	No	No	No	Proper well construction and cement tops mean this well will not pose a threat to public health safety or the environment as it relates to the Church 41-25 UIC application.
05-121-10858	CHURCH #41-25	PETERSON ENERGY OPERATING, INC	SI	207	310	3856	2800	No	No	No	Applicant UIC Well, Passed MIT test in 2020.