2619195

Operator's Area Review Contact:	paul.gottlob@iptenergyservices.com	Offset Wells 1/4-Mile Radius 8/6/2020 NGL Roy SWD # 1, #4, #5			

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?)	
05-123-07658	Brewster-Laws *1	Patina O&G	PA	1200	203	8050	6966	No			1st Stage TOC calc @ 6966. 2nd Stage DV @ 1108 TOC to 540 CBL. Replugged 8/13/2018: CIBP @ 7190+24sx; Perf @2500, 90 sx, CICR @2383 w/20 sx on top. Pump 95 sx from 1187 to surface.
05-123-08337	Ernest P Heinz Gas Unit *1	Amoco Production	PA	1200	217	8043	7373	No			TOC calc. Replugged 9/11/2018. Perf @7161, sqz 100 sx, CICR @7073; Perf @2100, sqz 100 sx, CICR @2013; 120 sx @ 0-1220; all in casing
05-123-15215	Dittmer Gas Unit *1	Kerr McGee O&G	PA	1200	884	7570	4073	No			TOC CBL, sqz 1190-1900 107 sx, sqz 200-1035 650 sx. Replugged 9/24/2018; CIBP @8180 2 sx, CIBP @7640 4 sx, CIBP @7510 60 sx 6803-7510, CIBP @4490 4sx; perf @2400, sqz 105 sx, CICR @2178; 15 sx 2027-2178, 110 sx 1100-2027, 126 sx 110-1100, 12 sx 0-110.
05-123-34401	Marrs *28C-28HZ	Kerr McGee O&G	PR	1200	1330	8046	7069		No	No	Liner 7069-12303 uncemented. 1st string above that TOC is 0 (CBL).
05-123-34403	Marrs *2N-28HZ	Kerr McGee O&G	SI	1200	1339	7328	6897		No	No	Liner 6897-12094 uncemented. 1st string above that TOC is 1240 (CBL).
05-123-34409	Marrs *3N-28HZ	Kerr McGee O&G	SI	1200	1350	7500	1250		No	No	Liner 7039-12116 uncemented. 1st string above that TOC is 1250 (CBL).
05-123-43337	Sack *21-4-12HC	Great Western Oper.	PR	1200	1528	7266	0		No	No	TOC CBL. Form 5 In Process.
05-123-43438	Dittmer KE *20-039HC	Great Western Oper.	PR	1200	1739	7836	4014		No	No	TOC CBL.
05-123-43447	Dittmer KE *20-037HC	Great Western Oper.	PR	1200	1737	7705	3450		No	No	No Form 5 submitted, got Surf Casing, Fm Top, and TOC off DRAFT (latest 8/3/2020), Fm = Niobrara
05-123-43458	Dittmer KE *20-038HN	Great Western Oper.	PR	1200	1740	7834	4144		No	No	TOC CBL.
05-123-43459	Dittmer KE *20-037HN	Great Western Oper.	PR	1200	1947	7797	3340		No	No	TOC CBL.
05-123-43460	Dittmer KE *20-035HN	Great Western Oper.	PR	1200	1736	7676	2860		No	No	TOC CBL.
05-123-46994	Sack *KE 21-242HC	Great Western Oper.	PR	1200	1523	7489	4140		No	No	TOC CBL.
05-123-46995	Sack *KE 21-319HC	Great Western Oper.	PR	1200	1524	7867	3814		No	No	Well had to be sidetracked below 9128 ft. TOC CBL.
05-123-46996	Sack *KE 21-322HN	Great Western Oper.	PR	1200	1525	7319	3750		No	No	TOC CBL.
05-123-46997	Sack *KE 21-279HN	Great Western Oper.	PR	1200	1524	7445	4136		No	No	TOC CBL.
05-123-46998	Sack *KE 21-282HN	Great Western Oper.	PR	1200	1526	7372	3580		No	No	TOC CBL. Surface casing topped out from 120 ft up.
05-123-49501	Roy SWD *5	NGL Water Solutions	DG	1200	1255	10219	945		No	No	Form 5 in process. Liner 10220-11963 uncemented. 1st string 0-10229 above that TOC is 8820 (CBL). DV @ 8820, TOC @ 945.
05-123-49502	Roy SWD *4	NGL Water Solutions	DG	1200	1253	10120	930		No	No	Form 5 in process. Liner 10117-11974 uncemented. 1st string 0-10138 above that TOC is 8752 (CBL). DV @ 8752, TOC @ 930.
05-123-49503	Roy SWD *3	NGL Water Solutions									Not spudded. Operator says it will not be drilled.
05-123-49504	Roy SWD *2	NGL Water Solutions									Not spudded. Operator says it will not be drilled.
05-123-49505	Roy SWD *1	NGL Water Solutions	DG	1200	1219	9258	200		No	No	Form 5 in process. Liner 9929-11090 uncemented. 1st string 0-9265 above that TOC is 7928 (CBL). DV @ 7928, TOC @ 200.
											Offset Wells 1/4-Mile Radius 8/6/2020 NGL Roy SWD # 1, #4, #5