

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
LOCHBUIE 2A-31H	Town: 1N Range: 65W Sec: 31	LOCHBUIE 2D-31H	Town: 1N Range: 65W Sec: 31	LOCHBUIE 2G-31H	Town: 1N Range: 65W Sec: 31
LOCHBUIE 2B-31H	Town: 1N Range: 65W Sec: 31	LOCHBUIE 2E-31H	Town: 1N Range: 65W Sec: 31	LOCHBUIE 2H-31H	Town: 1N Range: 65W Sec: 31
LOCHBUIE 2C-31H	Town: 1N Range: 65W Sec: 31	LOCHBUIE 2F-31H	Town: 1N Range: 65W Sec: 31		

Operator's Wellbore Integrity Contact

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	Comments (Optional)
05123085510000	DREYER 1	LOCHBUIE 2H-31H	533	ECA	10/17/1975	PA	199	1236	Yes in Comment	7085	N/A	DV Tool @ 1245' cemented w/ 250 sxs for fox hills coverage before P&A, in 1979 they filled casing with sand from 7900' - 8011' and capped w/ 5 sxs. Then 10 sxs of cement on top. May need to re-enter and re P&A.
05123080370000	EPPINGER 1	LOCHBUIE 2E-31H	93	ECA	04/20/1974	PA	154	1221	Yes in Comment	7060	7540	DV Tool @ 1204 w/ 250 sxs for fox hills coverage before P&A, in 2009 they set CIBP @ 7870', 5620', and 1150' w/ 4 sxs cement on each, perforate and squeeze @ 700' w/ 40 sxs cement, perforate & squeeze @ 400' w/ 220 sxs cement. CBL in 2009 shows cement from 7550' - 7854', 5435' - 5700', 724'-1160'.
N/A	EPPINGER 23-31	LOCHBUIE 2F-31H	118	ECA								not drilled yet
05001092500000	HSR-MILE HIGH 6-6	LOCHBUIE 2F-31H	1439	KMG	08/02/1994	PA	1341	1212		7064	6286	PA in 1996. Set CIBP @ 7900' w/ 2sxs cement. Cut 3 1/2" casing @ 6000'. Place 60 sxs cement from 1310' - 1370'. Place 10 sxs cement from 30' to surface.
05123187610000	LOCHBUIE 1	LOCHBUIE 2C-31H	127	ECA	01/16/1995	PA	1289	1203		7078	6248	PA in 2004. Set CIBP @ 7880' w/ 4 sxs cement. Cut casing at 1352' and pump 80 sxs cement from 1346' to 1132'. Cement 20 sxs @ surface.
05123217980000	LOCHBUIE 21-31	LOCHBUIE 2E-31H	228	ECA	12/30/2003	PR	1300	1191		7080	6616	
05123080680000	LUTZ 1	LOCHBUIE 2H-31H	659	ECA	06/20/1974	PA	100	1182		7119	N/A	DV Tool @ 1207'. PA'd in 2004. Set CIBP @ 7895', and 7825' both w/ 2sxs cement. Cut casing @ 400'. Set 40 sxs at 300' to surface.
05123094220000	LUTZ 1-A	LOCHBUIE 2F-31H	169	ECA	03/09/1978	DA	209	1192		7078	N/A	Plugged in 1978 w/ 50 sxs from 7745'-7950', 100 sxs from 900'-1150', 25 sxs from 123'-207', and 10 sxs at surface.
N/A	LUTZ 1B-31H	LOCHBUIE 2H-31H	313	ECA								not drilled yet
N/A	LUTZ 1C-31H	LOCHBUIE 2H-31H	668	ECA								not drilled yet
N/A	LUTZ 1D-31H	LOCHBUIE 2H-31H	1015	ECA								not drilled yet
N/A	LUTZ 1E-31H	LOCHBUIE 2H-31H	1353	ECA								not drilled yet
05123077500000	SAK-DREYER 1	LOCHBUIE 2H-31H	1344	ECA	10/02/1973	PA	226	1208		7084	N/A	DV Tool @ 1226' cemented w/ 200 sxs cement. PA in 2008. Set CIBP @ 7785' w/ 10 sxs cement. Perforate and squeeze at 4580' w/ 100 sxs cement. Perforate and squeeze @ 280'. Cement from 280' - 20' w/ 100 sxs. Cement to surface with 10 sxs.
05123099720000	STATE 1-36CG	LOCHBUIE 2A-31H	1251	MATRIX ENERGY	11/26/1980	PA	696	1227		7189	N/A	PA'd in 1989. Pump 45 sxs cement @ 2140'. Perforate and squeeze @ 1272' w/ 265 sxs. Tagged cement @ 400'. Perf @ 384' and pump 20 sxs. Pump 10 sxs of cement to surface. They PA'd from 2140' because they could not get below this depth.
05123101690000	STATE 3-36 CG	LOCHBUIE 2A-31H	922	MATRIX ENERGY	04/20/1982	PA	743	1232		7136	N/A	PA'd in 2004. Set CIBP @ 7906' w/ 2 sxs cement. Cut casing @ 4757'. Pump 75 sxs cement @ 1300'. Pump 100 sxs @ 780'. Tag @ 386'. Pump 15 sxs to surface.
05123102100000	STATE 7-36 CG	LOCHBUIE 2A-31H	905	MATRIX ENERGY	07/22/1982	PA	736	1238		7138	7050	TOC from COGCC doc # 1007874. PA'd in 2004. Set CIBP @ 7900' w/ 2 sxs cement. Perf @ 1400' and pump 75 sxs cement. Cut casing @ 933'. Pump 75 sxs @ 802'. Pump 10 sxs to surface.
N/A	WENZEL 44-25	LOCHBUIE 2A-31H	1345	ECA								not drilled yet
N/A	WENZEL 6-8-25	LOCHBUIE 2A-31H	1569	ECA								not drilled yet