NATURAL GAS ANALYSIS

CUSTOMER PROJECT #:
SN/PRIMARY DB KEY:
FIELD/AREA:

NAME/DESCRIP : **ASBURY #10**
WELLHEAD CASING

PROJECT NO. :	**202406055**		ANALYSIS NO. :	**01**	
COMPANY NAME :	**XCEL ENERGY**		ANALYSIS DATE:	JUNE 17, 2024 11:47	
OFFICE / BRANCH:	GRAND JUNCTION, CO		SAMPLE DATE :	JUNE 12, 2024	
CUSTOMER REF:			TO:		
PRODUCER :			EFFECTIVE DATE:		
FIELD DATA					
SAMPLE CYCLE:			SAMPLE TYPE:	SPOT	
SAMPLE PRES. :	20	psig	PROBE :	NO	
FLOW PRES. :		psig	CYLINDER NO. :	0499	
LAB PRES:		psig	SAMPLED BY :	GALE MCENDREE	
SAMPLE TEMP. :	92	ºf	SAMPLING COMPANY:	EMPACT	
AMBIENT TEMP.:		ºf	H2S BY STAIN TUBE:	_	ppm mol
H2O BY STAIN TUBE:	-	#/mmcf	CO2 BY STAIN TUBE:	-	Mol %

FIELD COMMENTS:
LAB COMMENTS:

COMPONENTS	NORM. MOLE%	GPM @ **14.696**	GPM @ **14.73**
HELIUM	0.00	-	-
HYDROGEN	95.88	-	-
OXYGEN/ARGON	0.46	-	-
NITROGEN	3.54	-	-
CARBON DIOXIDE	0.07	-	-
METHANE	0.04	-	-
ETHANE	0.01	0.003	0.003
PROPANE	0.00	0.000	0.000
ISOBUTANE	0.00	0.000	0.000
N-BUTANE	0.00	0.000	0.000
ISOPENTANE	0.00	0.000	0.000
N-PENTANE	0.00	0.000	0.000
HEXANES PLUS	0.00	0.000	0.000
TOTAL	100.00	0.003	0.003

	BTU @ 60 DEG F	**14.696**	**14.73**
LHV	NET DRY REAL=	263.1 **/scf**	263.7 **/scf**
	NET SATURATED REAL=	258.5 **/scf**	259.1 **/scf**
HHV	GROSS DRY REAL =	311.4 **/scf**	312.1 **/scf**
	GROSS SATURATED REAL =	306.0 **/scf**	306.7 **/scf**
	NET DRY IDEAL =	263.1 **/scf**	
	GROSS DRY IDEAL =	311.4 **/scf**	

NET HEATING VALUE (60 °F, ideal reaction):	32061.5	**Btu/lbm**
GROSS HEATING VALUE (60 °F, ideal reaction):	37958.3	**Btu/lbm**
SPECIFIC GRAVITY (AIR=1 @14.696 PSIA 60F) :	0.1074	
DENSITY (lbm/scf)	0.00820	
COMPRESSIBILITY FACTOR :	1.0000	
REGULAR WOBBE INDEX (14.696)	950.2	

NOTE: REFERENCE GPA 2261(ASTM D1945 & ASME-PTC) with Calc from 2145, 2172 & D3588 CURRENT PUBLICATIONS

Reference: Per GPA 2172-14 sec 9

The C6+ is derived from the following ratios of C6, C7 & C8+ respectively: **60% 30% 10%**