



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
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[http://emnrd.state.nm.us/ocd/District III/3distric.htm](http://emnrd.state.nm.us/ocd/District%20III/3distric.htm)

OIL CONS. DIV DIST. 3

JAN 28 2016

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 10/16/15 Operator BP API #30-0 4526194

Property Name GCU 137E Well No. 137E Location: Unit 11 Section 36 Township 28 Range 13

Well Status (Shut-In or Producing) Initial PSI: Tubing 22 Intermediate - Casing 25 Bradenhead 34

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE				
	Bradenhead		INTERM		
	BH	Int	Csg	Int	Csg
TIME					
5 min	0		25		
10 min	0		25		
15 min	0		25		
20 min					
25 min					
30 min					

		FLOW CHARACTERISTICS	
		BRADENHEAD	INTERMEDIATE
Steady Flow			
Surges			
Down to Nothing	☒		
Nothing			
Gas			
Gas & Water			
Water			

If bradenhead flowed water, check all of the descriptions that apply below:

CLEAR _____ FRESH _____ SALTY _____ SULFUR _____ BLACK _____

5 MINUTE SHUT-IN PRESSURE BRADENHEAD 0 INTERMEDIATE -

REMARKS:

Blew from 1" valve - BH blew down to nothing in 30 sec.
Not enough pressure on BH to purge gas sample tube
10 times & obtain viable sample

By [Signature]

Witness _____

(Position)

E-mail address _____



API 30-045-26194
Bradenhead
Gas Analysis Certificate

GPA Standard 2261-13

Acquisition Method Name au_report_150_C6+
Last calibration date 11/17/2015 7:56:54 PM

Client:	BP	Project #:	03143-0880
Site Name:	GCU 137 E	Meter ID:	3004526194(BHD)
Sampled by:	D. Fuller	Date Sampled	12-16-1515
Analyzed by:	Logan Richter	Date Received:	12-17-15
Sample Pressure:	24 psig	Date Analyzed:	12-17-15
Sample Temperature	°F	Analysis Time:	Standard

Component Results (14.696)

Name	Qty (Norm) [Mol %]	Wt Percent (%)	GPM
Helium	0.000	0.000	0.000
Oxygen	0.085	0.156	0.008
Nitrogen	1.092	1.761	0.120
Carbon Dioxide	0.060	0.153	0.010
Methane	93.546	86.400	15.855
Ethane	3.316	5.740	0.887
Propane	1.115	2.830	0.307
i-Butane	0.273	0.914	0.089
n-Butane	0.261	0.873	0.082
i-Pentane	0.106	0.441	0.039
n-Pentane	0.035	0.146	0.013
C6+	0.111	0.586	0.048
	100.000	100.000	17.458

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99770	C2+	1.465
Density (G) (Dry Gas)	0.59977	C3+	0.579
Component MW Total	17.37	C5+	0.100
Heating Value (Dry Ideal) Total BTU	1060.28	Heating Value (Sat Ideal) Total BTU	1041.78
Heating Value (Dry Real) Total BTU	1062.73	Heating Value (Sat Real) Total BTU	1044.10



API 300452494
Casing
Gas Analysis Certificate

GPA Standard 2261-13

Acquisition Method Name au_report_150_C6+
Last calibration date 9/28/2015 11:07:06 AM

Client:	BP	Project #:	03143-0880
Site Name:	GCU 137E (PC)	Meter ID:	3004526194 (CSG)
Sampled by:	Daniel F.	Date Sampled	10-16-15
Analyzed by:	Logan Richter	Date Received:	10-21-15
Sample Pressure:	22 psig	Date Analyzed:	10-27-15
Sample Temperature	NA	Analysis Time:	Standard

Component Results (14.696)

Name	Qty (Norm) [Mol %]	Wt Percent (%)	GPM
Helium	0.000	0.000	0.000
Oxygen	0.019	0.022	0.002
Nitrogen	1.625	1.602	0.180
Carbon Dioxide	0.571	0.883	0.098
Methane	68.468	38.649	11.665
Ethane	9.246	9.782	2.485
Propane	6.958	10.796	1.926
i-Butane	0.701	1.433	0.230
n-Butane	2.260	4.622	0.716
i-Pentane	0.447	1.136	0.164
n-Pentane	0.447	1.135	0.163
C6+	9.259	29.941	4.061
	100.000	100.000	21.691

Calculations at Pressure Base 14.696

Compressibility (Z) (Dry Gas)	0.99247	C2+	9.746
Density (G) (Dry Gas)	0.98540	C3+	7.261
Component MW Total	28.42	C5+	4.388
Heating Value (Dry Ideal) Total BTU	1637.46	Heating Value (Sat Ideal) Total BTU	1608.89
Heating Value (Dry Real) Total BTU	1649.89	Heating Value (Sat Real) Total BTU	1620.67

API 30045 26194

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