



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
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<http://emnr.state.nm.us/ocd/District III/3distric.htm>

OIL CONS. DIV DIST. 3

MAY 12 2016

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 4/11/16 Operator BP API #30-0 3924399

Property Name NEBU Well No. 483 Location: Unit A Section 20 Township 3N Range 6W

Well Status(Shut-In or Producing) Initial PSI: Tubing 11 Intermediate — Casing 10 Bradenhead 38

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

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

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow	
Surges	
Down to Nothing	X
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 1 INTERMEDIATE

REMARKS:

Blew from 1" valve. BH had a puff down to nothing

Sample Bottle #'s

By [Signature]

Witness [Signature]

(Position)

E-mail address

API 30-039-24399
Bradenhead

Analysis Certificate

Analysis Requested: GPA Standard 2261-13

Client:	BP	Project #:	03143-0883
Site Name:	NEBU 483 A (BH)	Report Printed Form Date:	4/28/2016
Meter ID:	3003924399 (BH)	Date Reported:	4/28/2016
Sampled by:	Daniel Fuller	Date Sampled:	4/13/2016
Analyzed by:	Alana Yazzie	Date Received:	4/13/2016
Sample Pressure:	27 psi	Date Analyzed:	4/20/2016
Sample Temperature:	N/R	Analysis Time:	Standard

Components	Mol %	Wt %	GPM Total	(gal/ideal MCF)
Nitrogen	12.684	19.711		
Carbon Dioxide	0.391	0.955		
Methane	86.013	76.546		
Ethane	ND	ND	GPM C2+	0.2958
Propane	0.521	1.274	GPM C3+	0.2958
Iso-Butane	ND	ND		
N-Butane	0.261	0.842		
Iso-Pentane	ND	ND	GPM iC5+	0.0647
N-Pentane	ND	ND		
Hexane Plus	0.13	0.672		
Totals	100.000	100.000		

GPA Standard 2172-09 Calculations

Compressibility Factor:	0.998	Base Pressure:	14.73 psi
Ideal Gas Relative Density:	0.623	Base Temperature:	60 F
Dry Molecular Weight:	18.027	g/mol	
Real Gas Dry BTU per ft3:	900.716	BTU/ft3	

ND = Parameter not detected at the stated detection limit.

N/R = Parameter not recorded

BGP
AKI, zk

Reviewer

4/28/2016

Date

Comments: Empty cylinder. Please Re-pull.

Note: The above analyses are performed in compliance with GPA Standard 2261-13 quality assurance procedures.

References: GPA Standard 2261-13 and GPA Standard 2172-09

API 30-039-24399
Production casing

Analysis Certificate

Analysis Requested: GPA Standard 2261-13

Client:	BP	Project #:	03143-0882
Site Name:	NEBU 483 A (PC)	Report Printed Form Date:	4/28/2016
Meter ID:	3003924399 (PC)	Date Reported:	4/28/2016
Sampled by:	Daniel Fuller	Date Sampled:	4/13/2016
Analyzed by:	Lynn Cook	Date Received:	4/13/2016
Sample Pressure:	34 psi	Date Analyzed:	4/20/2016
Sample Temperature:	N/R	Analysis Time:	Standard

Components	Mol %	Wt %	GPM Total	(gal/ideal MCF)
Nitrogen	0.097	0.123		
Carbon Dioxide	20.864	41.546		
Methane	77.927	56.563		
Ethane	0.848	1.154	GPM C2+	0.31
Propane	0.172	0.343	GPM C3+	0.0814
Iso-Butane	0.028	0.074		
N-Butane	0.038	0.1		
Iso-Pentane	0.014	0.046	GPM iC5+	0.0114
N-Pentane	ND	ND		
Hexane Plus	0.012	0.051		
Totals	100.000	100.000		

GPA Standard 2172-09 Calculations

Compressibility Factor:	0.997	Base Pressure:	14.73 psi
Ideal Gas Relative Density:	0.765	Base Temperature:	60 F
Dry Molecular Weight:	22.101 g/mol		
Real Gas Dry BTU per ft3:	813.754 BTU/ft3		

ND = Parameter not detected at the stated detection limit.

N/R = Parameter not recorded

BGP
4/28/16

Reviewer

4/28/2016

Date

Comments: No comments

Note: The above analyses are performed in compliance with GPA Standard 2261-13 quality assurance procedures.

References: GPA Standard 2261-13 and GPA Standard 2172-09