



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
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<http://emnr.state.nm.us/ocd/District/III/3distric.htm>

OIL CONS. DIV DIST. 3

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

MAY 12 2016

Date of Test 4/11/16 Operator BP API #30-0 392 7444

Property Name WEBU Well No. 447A Location: Unit 1 Section 30 Township 31N Range 6W

Well Status (Shut-In or Producing) Initial PSI: Tubing 60 Intermediate 0 Casing 1 Bradenhead 3

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE			INTERM	
	BH	Bradenhead Int	Csg	Int	Csg
5 min	3	0	1		
10 min	3	0	1		
15 min	3	0	1		
20 min	3	0	1		
25 min	3	0	1		
30 min	3	0	1		

	FLOW CHARACTERISTICS	
	BRADENHEAD	INTERMEDIATE
Steady Flow	X	
Surges		
Down to Nothing		
Nothing		X
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 3 INTERMEDIATE 0

REMARKS:

Blew from 1" valve. BH blew continuously through test

By [Signature]

Witness _____

(Position)

E-mail address _____

API 30-039-27444
Production Casing

Analysis Certificate

Analysis Requested: GPA Standard 2261-13

Client:	BP	Project #:	03143-0886
Site Name:	NEBU 497 A (PC)	Report Printed Form Date:	4/28/2016
Meter ID:	3003927444 (PC)	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:	3 psi	Date Analyzed:	4/20/2016
Sample Temperature:	N/R	Analysis Time:	Standard

Components	Mol %	Wt %	GPM Total	(gal/ideal MCF)
Nitrogen	7.294	10.164		
Carbon Dioxide	4.544	9.948		
Methane	80.449	64.2		
Ethane	4.325	6.469	GPM C2+	2.2623
Propane	1.997	4.38	GPM C3+	1.0962
Iso-Butane	0.355	1.026		
N-Butane	0.483	1.396		
Iso-Pentane	0.124	0.445	GPM iC5+	0.2593
N-Pentane	0.016	0.057		
Hexane Plus	0.413	1.915		
Totals	100.000	100.000		

GPA Standard 2172-09 Calculations

Compressibility Factor:	0.997	Base Pressure:	14.73 psi
Ideal Gas Relative Density:	0.696	Base Temperature:	60 F
Dry Molecular Weight:	20.103	g/mol	
Real Gas Dry BTU per ft3:	998.234	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

API 30-039-27444
Bradenhead

Analysis Certificate

Analysis Requested: GPA Standard 2261-13

Client:	BP	Project #:	03143-0887
Site Name:	NEBU 497 A (BH)	Report Printed Form Date:	4/28/2016
Meter ID:	3003927444 (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:	3 psi	Date Analyzed:	4/20/2016
Sample Temperature:	N/R	Analysis Time:	Standard

Components	Mol %	Wt %	GPM Total	(gal/ideal MCF)
Nitrogen	31.986	40.419		
Carbon Dioxide	3.387	6.724		
Methane	59.022	42.711		
Ethane	3.195	4.334	GPM C2+	1.6279
Propane	1.471	2.926	GPM C3+	0.7665
Iso-Butane	0.261	0.684		
N-Butane	0.351	0.92		
Iso-Pentane	0.088	0.286	GPM iC5+	0.1517
N-Pentane	0.009	0.029		
Hexane Plus	0.23	0.967		
Totals	100.000	100.000		

GPA Standard 2172-09 Calculations

Compressibility Factor:	0.998	Base Pressure:	14.73 psi
Ideal Gas Relative Density:	0.766	Base Temperature:	60 F
Dry Molecular Weight:	22.169	g/mol	
Real Gas Dry BTU per ft3:	728.21	BTU/ft3	

ND = Parameter not detected at the stated detection limit.

N/R = Parameter not recorded

BGP
7/21

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