NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6178 FAX: (505) 334-6170
http://emnrd.state.nm.us/ocd/District III/3district.htm

OIL CONS. DIV DIST. 3

MAY 12 2016

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 4/12/16 Operator BP API #30-0 3927701

Property Name NEBU Well No. 495A Location: Unit E Section 30 Township 31N Range 6W

Well Status(Shut-In or Producing) Initial PSI: Tubing 24 Intermediate ___ Casing 3 Bradenhead 4

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE Bradenhead		INTERM	
TIME	BH	Int	Csg	Int	Csg
5 min	4	0	3		
10 min	4	0	3		
15 min	4	0	3		
20 min	4	0	3		
25 min	4	0	3		
30 min	4	0	3		

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 4 INTERMEDIATE 0

REMARKS:
Blew from 1" valve. BH was continuous through test

By [signature] Witness _____

_____
(Position)

E-mail address _____

3

API 30-039-27201
Production Casing

Analysis Certificate

Analysis Requested: **GPA Standard 2261-13**

Client:	BP	Project #:	03143-0880
Site Name:	NEBU 495 A (PC)	Report Printed Form Date:	4/28/2016
Meter ID:	3003927701 (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:	4 psi	Date Analyzed:	4/20/2016
Sample Temperature:	N/R	Analysis Time:	Standard

Components	Mol %	Wt %	GPM Total	(gal/ideal MCF)
Nitrogen	5.941	7.892		
Carbon Dioxide	12.943	27.011		
Methane	78.029	59.358		
Ethane	1.929	2.75	GPM C2+	0.8936
Propane	0.707	1.478	GPM C3+	0.3735
Iso-Butane	0.11	0.303		
N-Butane	0.153	0.422		
Iso-Pentane	0.04	0.137	GPM iC5+	0.0883
N-Pentane	0.006	0.021		
Hexane Plus	0.142	0.628		
Totals	100.000	100.000		

GPA Standard 2172-09 Calculations

Compressibility Factor:	0.998		Base Pressure:	14.73 psi
Ideal Gas Relative Density:	0.73		Base Temperature:	60 F
Dry Molecular Weight:	21.088	g/mol		
Real Gas Dry BTU per ft3:	861.782	BTU/ft3		

ND = Parameter not detected at the stated detection limit.

N/R = Parameter not recorded

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 30-039-27701
Bradenhead

Analysis Certificate

Analysis Requested: **GPA Standard 2261-13**

Client:	BP	Project #:	03143-0881
Site Name:	NEBU 495 A (BH)	Report Printed Form Date:	4/28/2016
Meter ID:	3003927701 (BH)	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:	3 psi	Date Analyzed:	4/20/2016
Sample Temperature:	N/R	Analysis Time:	Standard

Components	Mol %	Wt %	GPM Total	(gal/ideal MCF)
Nitrogen	13.755	17.763		
Carbon Dioxide	11.941	24.226		
Methane	71.458	52.847		
Ethane	1.768	2.451	GPM C2+	0.8251
Propane	0.647	1.315	GPM C3+	0.3484
Iso-Butane	0.102	0.273		
N-Butane	0.146	0.391		
Iso-Pentane	0.053	0.176	GPM iC5+	0.0851
N-Pentane	ND	ND		
Hexane Plus	0.13	0.558		
Totals	100.000	100.000		

GPA Standard 2172-09 Calculations

Compressibility Factor:	0.998		Base Pressure:	14.73 psi
Ideal Gas Relative Density:	0.75		Base Temperature:	60 F
Dry Molecular Weight:	21.693	g/mol		
Real Gas Dry BTU per ft3:	789.693	BTU/ft3		

ND = Parameter not detected at the stated detection limit.

N/R = Parameter not recorded

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