



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://emrdr.state.nm.us/ocd/District III/3distric.htm](http://emrdr.state.nm.us/ocd/District%20III/3distric.htm)

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 9/7/22 Operator Engineering & Prod. Services, Inc. API #30-0 39-22463
Property Name EtonnaGah 8 Well No. 43 Location: Unit I Section 8 Township 23N Range 7W
Well Status (Shut-In or Producing) Initial PSI: Tubing Ø Intermediate N/A Casing 300 Bradenhead 5

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE				
	BH	Bradenhead		INTERM	
		Int	Csg	Int	Csg
5 min	Ø		300		
10 min	Ø		300		
15 min	Ø		300		
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 Ø INTERMEDIATE _____

REMARKS:

Bradenhead blew down in one minute.

By Katharine Jenkins

Witness

John D. Dorman

(Position)

E-mail address JenkinsK52@gmail.com



Well Name: ETON NA GAH 8 #43; CSG
 API #: 3003922463
 Source: CASING
 Sample Type: GAS
 Analysis No: EP20220001
 Cust No: 25500-10045

Well/Lease Information

Customer Name: ENGINEERING & PRODUCTION SERVICE
 Well Name: ETON NA GAH 8 #43; CSG
 County/State: RIO ARRIBA NM
 Location:
 Lease/PA/CA:
 Formation: GALLUP
 Cust. Stn. No.: 3003922463

Source: CASING
 Well Flowing: N
 Pressure: 250 PSIG
 Flow Temp: DEG. F
 Ambient Temp: DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 07/20/2022
 Sample Time: 9.30 AM
 Sampled By: MAY WEBB
 Sampled by (CO): EP
 S

Heat Trace: N
 Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.7789	0.7795	0.0860	0.00	0.0075
CO2	0.2960	0.2962	0.0510	0.00	0.0045
Methane	79.8378	79.9011	13.5790	806.36	0.4422
Ethane	10.6532	10.6617	2.8580	188.53	0.1106
Propane	5.3823	5.3866	1.4880	135.42	0.0819
Iso-Butane	0.5691	0.5696	0.1870	18.51	0.0114
N-Butane	1.4826	1.4838	0.4690	48.37	0.0298
I-Pentane	0.3347	0.3350	0.1230	13.39	0.0083
N-Pentane	0.3358	0.3361	0.1220	13.46	0.0084
Hexane Plus	0.3296	0.3299	0.1470	17.37	0.0109
Total	100.0000	100.0795	19.1100	1241.41	0.7156

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0035
 BTU/CU.FT IDEAL: 1244.3
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1248.7
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1227.0
 DRY BTU @ 15.025: 1273.7
 REAL SPECIFIC GRAVITY: 0.7178

CYLINDER #: 4091
 CYLINDER PRESSURE: 319 PSIG
 ANALYSIS DATE: 07/25/2022
 ANALYSIS TIME: 11:35:43 AM
 ANALYSIS RUN BY: ALEXIS MITCHELL

GPM, BTU, and SPG calculations as shown above are based on current GPA constants.

GPA Standard: GPA-2261

GC: Danalyzer Model 500

Last Cal/Verify: 07/28/2022

GC Method: C6+ Gas



ENGINEERING & PRODUCTION SERVICE
WELL ANALYSIS COMPARISON

Lease: ETON NA GAH 8 #43; CSG
Stn. No.: 3003922463
Mtr. No.:

CASING
GALLUP

07/28/2022
25500-10045

Smpl Date: 07/20/2022
Test Date: 07/25/2022
Run No: EP20220001

Nitrogen: 0.7789
CO2: 0.2960
Methane: 79.8378
Ethane: 10.6532
Propane: 5.3823
I-Butane: 0.5691
N-Butane: 1.4826
I-Pentane: 0.3347
N-Pentane: 0.3358
Hexane+: 0.3296

BTU: 1248.7
GPM: 19.1100
SPG: 0.7178

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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 142143

COMMENTS

Operator: Engineering & Production Service, Inc. P.O. Box 190 Farmington, NM 87499	OGRID: 14273
	Action Number: 142143
	Action Type: [UF-BHT] Bradenhead Test (BRADENHEAD TEST)

COMMENTS

Created By	Comment	Comment Date
clarence.smith	Accepted for record.	1/24/2023

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clarence.smith	None	1/24/2023