

Natural Gas Analysis Report **SAN JUAN DIVISION**

Sample Information

Sample Information	
Sample Name	LITTLE STINKER 1 BH <i>API # 30-045-25532</i>
TECH	Tim Doering
GC Serial	GC1008B621
Report Date	2015-05-08 08:03:32

Component Results

Component Name	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	0.5530	0.0	0.00535	0.061
Oxygen	0.0166	0.0	0.00018	0.001
Methane	86.6272	877.0	0.47983	14.728
Carbon Dioxide	0.0196	0.0	0.00030	0.003
Ethane	5.8377	103.5	0.06061	1.566
Propane	3.6902	93.1	0.05618	1.020
I-Butane	0.9387	30.6	0.01884	0.308
N-Butane	1.1188	36.6	0.02245	0.354
I-Pentane	0.4542	18.2	0.01131	0.167
N-Pentane	0.3906	15.7	0.00973	0.142
Hexanes	0.2408	11.5	0.00716	0.099
Heptanes	0.0979	5.4	0.00339	0.045
Octanes	0.0078	0.5	0.00031	0.004
Nonanes	0.0069	0.5	0.00031	0.004
Hydrogen Sulfide	0.0000	0.0	0.00000	0.000
Water	0.0000	0.0	0.00000	0.000
Total:	100.0000	1192.5	0.67595	18.502

Results Summary

Result	Dry	Sat.
Total Normalized Mole%	100.0000	100.0000
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	50.0	
Flowing Pressure (psia)	50.0	
Gross Heating Value (BTU / Real cu.ft.)	1196.2	1175.8
Relative Density (G), Real	0.6778	0.6771
Compressibility (Z) Factor	0.9969	0.9965
Total GPM	18.502	18.286

Natural Gas Analysis Report **SAN JUAN DIVISION**

Sample Information

Sample Information	
Sample Name	LITTLE STINKER 1 CASING
TECH	Tim Doering
GC Serial	GC1008B621
Report Date	2015-05-26 14:44:01

API # 30-045-25532

Component Results

Component Name	Norm%	Gross HV (Dry) (BTU / Ideal cu.ft.)	Relative Gas Density (Dry)	GPM (Dry) (Gal. / 1000 cu.ft.)
Nitrogen	0.5132	0.0	0.00496	0.057
Oxygen	0.0058	0.0	0.00006	0.001
Methane	86.1670	872.3	0.47728	14.654
Carbon Dioxide	0.0884	0.0	0.00134	0.015
Ethane	5.7565	102.1	0.05976	1.544
Propane	3.6673	92.5	0.05583	1.014
I-Butane	0.8870	28.9	0.01780	0.291
N-Butane	1.0014	32.7	0.02010	0.317
I-Pentane	0.4152	16.7	0.01034	0.152
N-Pentane	0.3123	12.5	0.00778	0.114
Hexanes	0.2335	11.1	0.00695	0.096
Heptanes	0.2057	11.3	0.00712	0.095
Octanes	0.6506	40.8	0.02566	0.334
Nonanes	0.0961	6.7	0.00426	0.054
Hydrogen Sulfide	0.0000	0.0	0.00000	0.000
Water	0.0000	0.0	0.00000	0.000
Total:	100.0000	1227.7	0.69925	18.738

Results Summary

Result	Dry	Sat.
Total Normalized Mole%	100.0000	100.0000
Pressure Base (psia)	14.730	
Flowing Temperature (Deg. F)	70.0	
Flowing Pressure (psia)	165.0	
Gross Heating Value (BTU / Real cu.ft.)	1231.9	1211.0
Relative Density (G), Real	0.7013	0.7003
Compressibility (Z) Factor	0.9966	0.9962
Total GPM	18.738	18.519



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://emard.state.nm.us/ocd/District11/District.htm>

COPY

Sent to NMOC
6/2/15

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 4/28/15 Operator Bryan Serrano API #30-0 45-25532

Property Name Little Stinker Well No. 1 Location: Unit 2 Section 11 Township 30N Range 12W

Well Status (Shut-In) or Producing) Initial PSI: Tubing 0 Intermediate N/A Casing 163 Bradenhead 90

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE				
	Bradenhead		INTERM		
	BH	Int	Csg	Int	Csg
TIME					
5 min	<u>0</u>		<u>163</u>		
10 min	<u>0</u>		<u>163</u>		
15 min	<u>0</u>		<u>163</u>		
20 min					
25 min					
30 min					

FLOW CHARACTERISTICS
BRADENHEAD INTERMEDIATE

Steady Flow	<u>✓</u>	
Surges		
Down to Nothing		
Nothing		
Gas	<u>✓</u>	
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 65 INTERMEDIATE N/A

REMARKS:

Gas Analysis Ordered. 20% Increase. WBD
will be sent to NMOC.

* Please See Attached WBD & Gas Analysis

By Mike Hartsell
Head Lease operator
(Position)

Witness _____

E-mail address mike.hartsell@xtbenergy.com