

GAS ANALYSIS ATTACHED



**NEW MEXICO ENERGY, MINERALS
AND NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
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AZTEC, NM 87410
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http://www.emnrd.state.nm.us/ocd/

BRADENHEAD TEST REPORT

(Submit 2 copies to above address)

Date of Test 9/30/08 Operator Devon Energy API # 3004531362
Property Name NEBU 442 A Location: Unit _____ Section _____ Township _____ Range _____
(Well Name and Number)
Pressure (Shut-in or Producing) _____ Tubing 9.5 Intermediate 18.8 Casing 7 Bradenhead 4.8

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Time	Bradenhead			Intermediate		Bradenhead Flowed	Intermediate Flowed
	BH Blowdown	Casing Monitor	Intermediate Monitor	Intermediate Blowdown	Casing Monitor		
5 minutes	<u>0</u>	<u>7</u>	<u>18.8</u>	<u>Flowing</u>	<u>C.8</u>	Steady Flow	<u>X</u>
10 minutes	<u>0</u>	<u>7</u>	<u>18.8</u>	<u>Flowing</u>	<u>22.8</u>	Surges	
15 minutes	<u>0</u>	<u>7</u>	<u>18.9</u>	<u>Flowing</u>	<u>17.9</u>	Down to Nothing	<u>X</u>
20 minutes				<u>Flowing</u>	<u>11.1</u>	No Flow	
25 minutes				<u>Flowing</u>	<u>10</u>	Gas	<u>X</u>
30 minutes				<u>Flowing</u>	<u>9.2</u>	Gas and Water	
5 minute SI	<u>0</u>	<u>7</u>	<u>18.8</u>	<u>19.0</u>	<u>10</u>	Water	

RCVD AUG 3 '09
OIL CONS. DIV.
DIST. 3

If bradenhead flowed water, check all of the descriptions that apply below:

Clear _____ Fresh _____ Salty _____ Sulfur _____ Black _____

5 Minute Shut-in Bradenhead 0 Intermediate 19

REMARKS:

Bradenhead blew dead instantly.
5 min: still blowing steady. Tbg: 9.8
10 min: compressor went down
15 min: comp back on

By

Devon Engineer

(Position)

Witness

Print Date Time: 10/24/2008 11:24 442A.txt

Analyzed By: Rick Sparks
 Meter ID: 442A
 Analysis Time: 10/24/2008 10:18
 Flowing Temp.: 0 Deg. F

Sample Type: Spot
 Flowing Pressure: 0 psig

Density	Comp	UnNorm %	Normal %	Liquids (USgal/MCF)	Ideal (Btu/SCF)	Rel.
	Propane	0.0413	0.0419	0.0115	1.0536	0.0006
	Hydrogen Sulfide	0.0000	0.0000	0.0000	0.0000	0.0000
	IsoButane	0.0061	0.0062	0.0020	0.2013	0.0001
	Butane	0.0075	0.0076	0.0024	0.2488	0.0002
	NeoPentane	0.0000	0.0000	0.0000	0.0000	0.0000
	IsoPentane	0.0021	0.0021	0.0008	0.0859	0.0001
	Pentane	0.0000	0.0000	0.0000	0.0000	0.0000
	Hexane+	0.0277	0.0281	0.0000	0.0000	0.0000
	Nitrogen	0.5482	0.5555	0.0000	0.0000	0.0054
	Methane	90.8336	92.0331	0.0000	929.5347	0.5098
	CarbonDioxide	6.9039	6.9951	0.0000	0.0000	0.1063
	Ethane	0.3261	0.3304	0.0882	5.8468	0.0034
	Hexane	0.0000	0.0161	0.0066	0.7637	0.0005
	Heptane+	0.0000	0.0000	0.0000	0.0000	0.0000
	Heptane	0.0000	0.0080	0.0037	0.4418	0.0003
	Octane	0.0000	0.0040	0.0020	0.2508	0.0002
	Nonane+	0.0000	0.0000	0.0000	0.0000	0.0000
	Nonane	0.0000	0.0000	0.0000	0.0000	0.0000
	Decane	0.0000	0.0000	0.0000	0.0000	0.0000
	Undecane	0.0000	0.0000	0.0000	0.0000	0.0000
	Dodecane	0.0000	0.0000	0.0000	0.0000	0.0000
	Ethane-	0.0000	0.0000	0.0000	0.0000	0.0000
	Propane +	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	98.6966	100.0000	0.1172	938.4274	0.6279
	Inferior Wobbe (Btu/SCF)	1169.9475	(Btu/SCF)	Superior Wobbe	1189.5433	
	Compressibility (lbm/ft3)	0.9979		Density	0.0481	
	Real Rel. Density (Btu/SCF)	0.6279		Ideal CV	938.4274	
	Wet CV (Btu/SCF)	927.0764	(Btu/SCF)	Dry CV	942.6042	
	Contract Temp.	60.0000	(deg F)	Contract Press.	14.7300	(psia)
	Number of Cycles	1		Connected Stream	1	