



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://emnr.state.nm.us/ocd/District III/district.htm](http://emnr.state.nm.us/ocd/District%20III/district.htm)

OIL CONS. DIV DIST. 3

NOV 01 2017

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 10-24-17 Operator Great Western Drilling API # 30-045-30700

Property Name J.E. Decker Well No. 1-C Location: Unit J Section 7 Township 32 Range 11

Well Status (Shut-In or Producing) Initial PSI: Tubing 129 Intermediate 2 Casing 129 Bradenhead 0

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE			INTERM	
	BH	Bradenhead Int	Csg	Int	Csg
5 min	0		129	0	129
10 min	0		129	0	129
15 min	0		129	0	129
20 min					
25 min					
30 min					

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

INTERMEDIATE 0

REMARKS:

Bradenhead = Small Riff

Inter med. 30 sec Glow down

Vapors

By Colton Kille

Witness Jim Kille

Switcher

(Position)

E-mail address _____



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: GW170043
Cust No: 33050-10390

Well/Lease Information

Customer Name: GREAT WESTERN DRILLING
Well Name: J.E. DECKER 1C; CSG
County/State: SAN JUAN NM
Location:
Field:
Formation: BMV
Cust. Stn. No.: API 30-045-30700

Source: CASING
Well Flowing: Y
Pressure: 135 PSIG
Flow Temp: DEG. F
Ambient Temp: 54 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Date Sampled: 10/27/2017
Sample Time: 11.10 AM
Sampled By: CULLAN
Sampled by (CO): GWDC

OIL CONS. DIV DIST. 3
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Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.8853	0.8209	0.0980	0.00	0.0086
CO2	0.0038	0.0035	0.0010	0.00	0.0001
Methane	85.7163	79.4794	14.5710	865.73	0.4748
Ethane	7.6106	7.0568	2.0410	134.68	0.0790
Propane	3.5088	3.2535	0.9690	88.28	0.0534
Iso-Butane	0.6120	0.5675	0.2010	19.90	0.0123
N-Butane	0.8317	0.7712	0.2630	27.13	0.0167
I-Pentane	0.2615	0.2425	0.0960	10.46	0.0065
N-Pentane	0.1901	0.1763	0.0690	7.62	0.0047
Hexane Plus	0.3799	0.3523	0.1700	20.02	0.0126
Total	100.0000	92.7239	18.4790	1173.85	0.6686

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.003
BTU/CU.FT IDEAL: 1176.6
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1180.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1159.6
DRY BTU @ 15.025: 1203.7
REAL SPECIFIC GRAVITY: 0.6704

CYLINDER #: 6077
CYLINDER PRESSURE: 137 PSIG
DATE RUN: 10/31/17 12:00 AM
ANALYSIS RUN BY: PATRICIA KING

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: 11/01/2017

GC Method: C6+ Gas



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: GW170033
Cust No: 33050-10230

Well/Lease Information

Customer Name: GREAT WESTERN DRILLING
Well Name: J.E. DECKER 1C INT.
County/State: SAN JUAN NM
Location:
Field:
Formation: MESA VERDE
Cust. Stn. No.:

Source: INTERMEDIATE
Well Flowing: Y
Pressure: 30 PSIG
Flow Temp: DEG. F
Ambient Temp: 57 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Date Sampled: 10/23/2017
Sample Time: 11.10 AM
Sampled By: CULLAN
Sampled by (CO): GWDC

OIL CONS. DIV DIST. 3
NOV 07 2017

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.8730	1.8217	0.2070	0.00	0.0181
CO2	0.0389	0.0378	0.0070	0.00	0.0006
Methane	90.6393	88.1544	15.4010	915.46	0.5021
Ethane	3.6264	3.5270	0.9720	64.18	0.0376
Propane	2.6059	2.5345	0.7200	65.57	0.0397
Iso-Butane	0.4595	0.4469	0.1510	14.94	0.0092
N-Butane	0.3414	0.3320	0.1080	11.14	0.0069
I-Pentane	0.1174	0.1142	0.0430	4.70	0.0029
N-Pentane	0.0512	0.0498	0.0190	2.05	0.0013
Hexane Plus	0.2470	0.2402	0.1100	13.02	0.0082
Total	100.0000	97.2585	17.7380	1091.05	0.6265

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0025
BTU/CU.FT IDEAL: 1093.6
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1096.3
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1077.2
DRY BTU @ 15.025: 1118.3
REAL SPECIFIC GRAVITY: 0.6278

CYLINDER #: 5015
CYLINDER PRESSURE: 32 PSIG
DATE RUN: 10/30/17 11:10 AM
ANALYSIS RUN BY: RICHARD WILSON

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: 10/30/2017

GC Method: C6+ Gas



2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: GW170044
Cust No: 33050-10395

Well/Lease Information

Customer Name: GREAT WESTERN DRILLING
Well Name: J.E. DECKER 1C; TBG
County/State: SAN JUAN NM
Location:
Field:
Formation: BMV
Cust. Stn. No.: API 30-045-30700

Source: TUBING
Well Flowing: Y
Pressure: 135 PSIG
Flow Temp: DEG. F
Ambient Temp: 54 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Date Sampled: 10/27/2017
Sample Time: 11.00 AM
Sampled By: CULLAN
Sampled by (CO): GWDC

OIL CONS. DIV DIST. 3
NOV 07 2017

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.1212	0.1195	0.0130	0.00	0.0012
CO2	1.8048	1.7794	0.3090	0.00	0.0274
Methane	84.9500	83.7554	14.4430	857.99	0.4705
Ethane	7.7524	7.6434	2.0790	137.19	0.0805
Propane	2.9464	2.9050	0.8140	74.13	0.0449
Iso-Butane	0.5968	0.5884	0.1960	19.41	0.0120
N-Butane	0.7180	0.7079	0.2270	23.42	0.0144
I-Pentane	0.2806	0.2767	0.1030	11.23	0.0070
N-Pentane	0.1915	0.1888	0.0700	7.68	0.0048
Hexane Plus	0.6383	0.6293	0.2850	33.65	0.0211
Total	100.0000	98.5938	18.5390	1164.70	0.6837

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0031
BTU/CU.FT IDEAL: 1167.4
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1171.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1150.6
DRY BTU @ 15.025: 1194.5
REAL SPECIFIC GRAVITY: 0.6856

CYLINDER #: 6218
CYLINDER PRESSURE: 129 PSIG
DATE RUN: 10/31/17 12:00 AM
ANALYSIS RUN BY: PATRICIA KING

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: 11/01/2017

GC Method: C6+ Gas

Well: J. E. Decker #1-C
 Location: 2,055' FSL & 1,675' FEL
 Sec 7 T32N R11W NMPM
 San Juan County, New Mexico
 API no: 30-045-30700

Operator: Great Western Drilling Company
 Spud date: 7/1/2001
 Elevations: KB 6,626'
 KB-GL 10'
 GL 6,616'

TOPS	NOTES	HOLE SIZE	CASING & CEMENT
		12 1/4"	
	226'		9 5/8" 36# J-55 ST&C at 226' cmtd to GL w/ 139 sx - circ 14 bbl
Ojo Alamo at 1,163' Kirtland-Fruitland at 1,283'		8 3/4"	top of cement behind 4 1/2" casing at 1,070' by CBL expendable check, tail jt, sn, 174 jts 2 3/8" 4.7# J-55 EUE tubing 9/28/01 estimated top of cement behind 4 1/2" casing at 2,400'
2,652'			7" 20# J-55 ST&C at 2,652' cmt to GL w/ 444 sx - circ 43 bbl
Pictured Cliffs at 3,183'		6 1/4"	
Cliff House at 4,773' 4 1/2" casing marker joint at 4,91' Menafee at 5,173'			perfs 4,774 - 5,282' acdz w/ 1k gal 15% HCl fracd w/ 153 kgal + 103.5 klb 20/40/sd
Point Lookout at 5,523'			perfs 5,366 - 5,620' acdz w/ 1k gal 15% HCl fracd w/ 142 kgal + 111.7 klb 20/40/sd
Mancos at 5,783'			EOT at 5,540' w/ SN at 5,507' 4' tubing sub with bar collar at 5,612' 3/12/79
TD at 5,995'			4 1/2" 10.5# J-55 ST&C at 5,995' cmtd w/ 266 sx
			pbttd 5,951'

prepared by L. M. Cure 22 Jan 15