



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OCD Received

8/10/2020

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

BRADENHEAD TEST REPORT

(Submit 1 copy to above address)

Date of Test 7/15/2020 Operator Roddy Production Co. API #30-045-08274

Property Name Ransom Well No. 1 Location: Unit I Section 13 Township 29N Range 11W

Well Status (Shut-In) or Producing) Initial PSI: Tubing 13 Intermediate 0 Casing 19 Bradenhead 0

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE				
	Bradenhead			INTERM	
	BH	Int	Csg	Int	Csg
TIME					
5 min	0		22	0	24
10 min	0		23	0	24
15 min	0		23	0	24
20 min					
25 min					
30 min					

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow	
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 0 INTERMEDIATE 0

REMARKS: Plunger well. Test taken during shut in cycle.

By Jeremy Divine
Foreman
(Position)

Witness _____

E-mail address jdivine@crowquest.com



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

BRADENHEAD TEST REPORT

(Submit 1 copy to above address)

Date of Test 7/15/2020 Operator Roddy Production Co. API #30-045-30859

Property Name Raymond Simmons Well No. 2 Location: Unit P Section 17 Township 30N Range 11W

Well Status (Shut-In or Producing) Initial PSI: Tubing 130 Intermediate N/A Casing 148 Bradenhead 0

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>148</u>		
10 min	<u>0</u>		<u>149</u>		
15 min	<u>0</u>		<u>149</u>		
20 min					
25 min					
30 min					

	FLOW CHARACTERISTICS	
	BRADENHEAD	INTERMEDIATE
Steady Flow		
Surges		
Down to Nothing		
Nothing	<u>X</u>	
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 _____ INTERMEDIATE _____

REMARKS: Plunger well. Test conducted while well is in shut in cycle.

By Jeremy Divine

Witness _____

Foreman

(Position)

E-mail address jdivine@crowquest.com



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

BRADENHEAD TEST REPORT

(Submit 1 copy to above address)

Date of Test 7/15/2020 Operator Roddy Production Co. API #30-045-09451

Property Name Raymond Simmons Well No. 1 Location: Unit M Section 17 Township 30N Range 11W

Well Status (Shut-In or Producing) Initial PSI: Tubing 5 Intermediate N/A Casing 5 Bradenhead 0

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>5</u>		
10 min	<u>0</u>		<u>5</u>		
15 min	<u>0</u>		<u>5</u>		
20 min					
25 min					
30 min					

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow	
Surges	
Down to Nothing	
Nothing <u>X</u>	
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 0 INTERMEDIATE _____

REMARKS:

Well on casing flow

By Jeremy Divine

Witness _____

Foreman

(Position)

E-mail address jdivine@crowquest.com



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

BRADENHEAD TEST REPORT

(Submit 1 copy to above address)

Date of Test 7/15/2020 Operator Roddy Production Co. API #30-045-30870

Property Name Raymond Simmons Well No. 3 Location: Unit M Section 17 Township 30N Range 11W

Well Status (Shut-In or Producing) Initial PSI: Tubing 9 Intermediate N/A Casing 21 Bradenhead 0

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>21</u>		
10 min	<u>0</u>		<u>20</u>		
15 min	<u>0</u>		<u>20</u>		
20 min					
25 min					
30 min					

	FLOW CHARACTERISTICS	
	BRADENHEAD	INTERMEDIATE
Steady Flow		
Surges		
Down to Nothing		
Nothing	<u>X</u>	
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 0 INTERMEDIATE _____

REMARKS:

Plunger well producing at the end of cycle.

By Jeremy Divine

Witness _____

Foreman

(Position)

E-mail address jdivine@crowquest.com

NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT



Well Name: OWEN 2A; BHD
API #: API #30-045-30235
Source: BRADENHEAD
Sample Type: GAS
Analysis No: RP200001
Cust No: 69030-10230

Well/Lease Information

Customer Name: RODDY PRODUCTION CO.
Well Name: OWEN 2A; BHD
County/State: SAN JUAN NM
Location:
Lease/PA/CA:
Formation: MESA VERDE
Cust. Str. No.: API #30-045-30235

Source: BRADENHEAD
Well Flowing: Y
Pressure: PSIG
Flow Temp: DEG. F
Ambient Temp: DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 07/22/2020
Sample Time: 3.11 PM
Sampled By:
Sampled by (CO): RODDY PRODUCTION

Heat Trace:
Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.5692	0.5651	0.0630	0.00	0.0055
CO2	0.0074	0.0073	0.0010	0.00	0.0001
Methane	89.4508	88.8132	15.2020	903.45	0.4955
Ethane	5.7021	5.6614	1.5290	100.91	0.0592
Propane	2.8555	2.8351	0.7890	71.85	0.0435
Iso-Butane	0.6126	0.6082	0.2010	19.92	0.0123
N-Butane	0.5134	0.5097	0.1620	16.75	0.0103
I-Pentane	0.1450	0.1440	0.0530	5.80	0.0036
N-Pentane	0.0704	0.0699	0.0260	2.82	0.0018
Hexane Plus	0.0736	0.0731	0.0330	3.88	0.0024
Total	100.0000	99.2870	18.0590	1125.38	0.6342

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0027
BTU/CU.FT IDEAL: 1128.0
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1131.0
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1111.3
DRY BTU @ 15.025: 1153.7
REAL SPECIFIC GRAVITY: 0.6356

CYLINDER #: 6015
CYLINDER PRESSURE: 84 PSIG
ANALYSIS DATE: 07/20/2020
ANALYSIS TIME: 04:09:29 PM
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: 07/23/2020

GC Method: C6+ Gas



RODDY PRODUCTION CO.
WELL ANALYSIS COMPARISON

Lease: OWEN 2A; BHD
Stn. No.: API #30-045-
Mtr. No.:

BRADENHEAD
MESA VERDE

07/23/2020
69030-10230

Smpl Date:	07/22/2020	08/10/2018	09/26/2017	06/30/2014
Test Date:	07/20/2020	08/16/2018	09/26/2017	06/30/2014
Run No:	RP200001	RP180001	RP170001	RP140003
Nitrogen:	0.5692	0.5862	0.5619	0.7630
CO2:	0.0074	0.0086	0.0106	0.0180
Methane:	89.4508	89.8871	86.2155	85.4449
Ethane:	5.7021	5.5229	6.2708	6.6541
Propane:	2.8555	2.6677	3.9144	4.1190
I-Butane:	0.6126	0.5677	0.9166	0.9580
N-Butane:	0.5134	0.4728	1.1341	1.1970
I-Pentane:	0.1450	0.1391	0.4040	0.3840
N-Pentane:	0.0704	0.0711	0.2674	0.2470
Hexane+:	0.0736	0.0768	0.3047	0.2150
BTU:	1131.0	1124.6	1196.5	1197.7
GPM:	18.0590	18.0030	18.5260	18.5560
SPG:	0.6356	0.6317	0.6776	0.6806



Well Name: OWEN 2A; CSG
API #: API # 3004530235
Source: CASING
Sample Type: GAS
Analysis No: RP200002
Cust No: 69030-10250

Well/Lease Information

Customer Name: RODDY PRODUCTION CO.
Well Name: OWEN 2A; CSG
County/State: SAN JUAN NM
Location:
Lease/PA/CA:
Formation: MV
Cust. Stn. No.: API # 3004530235

Source: CASING
Well Flowing: Y
Pressure: PSIG
Flow Temp: DEG. F
Ambient Temp: 98 DEG. F
Flow Rate: MCF/D
Sample Method: Purge & Fill
Sample Date: 07/22/2020
Sample Time: 3.12 PM
Sampled By:
Sampled by (CO): RODDY PRODUCTION

Heat Trace:

Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2322	0.2307	0.0260	0.00	0.0022
CO2	0.5902	0.5863	0.1010	0.00	0.0090
Methane	79.6394	79.1154	13.5510	804.36	0.4411
Ethane	9.7650	9.7008	2.6210	172.81	0.1014
Propane	5.3393	5.3042	1.4760	134.34	0.0813
Iso-Butane	1.1167	1.1094	0.3670	36.31	0.0224
N-Butane	1.3725	1.3635	0.4340	44.78	0.0275
I-Pentane	0.4901	0.4869	0.1800	19.61	0.0122
N-Pentane	0.3416	0.3394	0.1240	13.69	0.0085
Hexane Plus	1.1130	1.1057	0.4980	58.67	0.0368
Total	100.0000	99.3423	19.3780	1284.57	0.7425

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0039
BTU/CU.FT IDEAL: 1287.5
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1292.5
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1270.0
DRY BTU @ 15.025: 1318.4
REAL SPECIFIC GRAVITY: 0.745

CYLINDER #: 4113
CYLINDER PRESSURE: 31 PSIG
ANALYSIS DATE: 07/20/2020
ANALYSIS TIME: 04:25:33 PM
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

GC Method: C6+ Gas

Last Cal/Verify: 07/23/2020



RODDY PRODUCTION CO.
WELL ANALYSIS COMPARISON

Lease: OWEN 2A; CSG
Stn. No.: API # 3004530235
Mtr. No.:

CASING
MV

07/23/2020
69030-10250

Smpl Date:	07/22/2020	09/06/2018	09/26/2017
Test Date:	07/20/2020	09/11/2018	09/26/2017
Run No:	RP200002	RP180003	RP170002
Nitrogen:	0.2322	0.3140	0.3065
CO2:	0.5902	0.8275	0.0615
Methane:	79.6394	75.2859	75.7916
Ethane:	9.7650	9.7615	9.3627
Propane:	5.3393	6.6341	5.6949
I-Butane:	1.1167	1.6084	1.4761
N-Butane:	1.3725	2.2034	2.2520
I-Pentane:	0.4901	1.1162	1.3643
N-Pentane:	0.3416	0.8994	1.1564
Hexane+:	1.1130	1.3496	2.5340
BTU:	1292.5	1385.7	1441.0
GPM:	19.3780	20.0220	20.3050
SPG:	0.7450	0.8097	0.8329



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6176 FAX: (505) 334-6170
[http://emnr.state.nm.us/ocd/District III/3district.htm](http://emnr.state.nm.us/ocd/District%20III/3district.htm)

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 7/14/2020 Operator Reddy Production API #30-0 45-32004
Property Name Owen Well No. 2D Location: Unit B Section 19 Township 31N Range 12W
Well Status (Shut-In or Producing) Initial PSI: Tubing 39 Intermediate N/A Casing 34 Bradenhead 35

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>34</u>		
10 min	<u>0</u>		<u>33</u>		
15 min	<u>0</u>		<u>33</u>		
20 min					
25 min					
30 min					

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow	
Surges	
Down to Nothing	<u>X</u>
Nothing	
Gas	<u>X</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 3 INTERMEDIATE N/A

REMARKS: Well on casing flow will pull gas sample on casing & B.H.

By Jeremy Divine
Foreman
(Position)

Witness _____

E-mail address jdivine@crownguest.com



Well Name: OWEN #2D; CSG
API #: API # 3004532004
Source: CASING
Sample Type: GAS
Analysis No: RP200004
Cust No: 69030-10245

Well/Lease Information

Customer Name: RODDY PRODUCTION CO.
Well Name: OWEN #2D; CSG
County/State: SAN JUAN NM
Location:
Lease/PA/CA:
Formation: MESE VERDE
Cust. Stn. No.: API # 3004532004

Source: CASING
Well Flowing: Y
Pressure: PSIG
Flow Temp: DEG. F
Ambient Temp: 98 DEG. F
Flow Rate: 35 MCF/D
Sample Method: Purge & Fill
Sample Date: 07/22/2020
Sample Time: 3.14 PM
Sampled By:
Sampled by (CO): RODDY PRODUCTION

Heat Trace:

Remarks:

Analysis

Component::	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.2722	0.2715	0.0300	0.00	0.0026
CO2	0.5248	0.5234	0.0900	0.00	0.0080
Methane	79.1740	78.9690	13.4710	799.66	0.4385
Ethane	9.2985	9.2744	2.4960	164.56	0.0965
Propane	5.8337	5.8186	1.6130	146.78	0.0888
Iso-Butane	1.3566	1.3531	0.4460	44.12	0.0272
N-Butane	1.6436	1.6393	0.5200	53.62	0.0330
I-Pentane	0.6384	0.6367	0.2340	25.54	0.0159
N-Pentane	0.4571	0.4559	0.1660	18.32	0.0114
Hexane Plus	0.8011	0.7990	0.3590	42.23	0.0265
Total	100.0000	99.7409	19.4250	1294.82	0.7485

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0039
BTU/CU.FT IDEAL: 1297.8
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1302.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1280.2
DRY BTU @ 15.025: 1329.0
REAL SPECIFIC GRAVITY: 0.7511

CYLINDER #: 4011
CYLINDER PRESSURE: 40 PSIG
ANALYSIS DATE: 07/20/2020
ANALYSIS TIME: 04:17:27 PM
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

GC Method: C6+ Gas

Last Cal/Verify: 07/23/2020



RODDY PRODUCTION CO.
WELL ANALYSIS COMPARISON

Lease: OWEN #2D; CSG
Stn. No.: API # 3004532004
Mtr. No.:

CASING
MESE VERDE

07/23/2020
69030-10245

Smpl Date:	07/22/2020	09/06/2018	09/26/2017	07/25/2014
Test Date:	07/20/2020	09/11/2018	09/26/2017	07/25/2014
Run No:	RP200004	RP180004	RP170004	RP140006
Nitrogen:	0.2722	0.2421	0.2474	0.2220
CO2:	0.5248	0.5707	0.5632	0.5790
Methane:	79.1740	81.8214	81.6363	81.5672
Ethane:	9.2985	9.1420	9.2144	9.2409
Propane:	5.8337	4.5945	4.6026	4.5480
I-Butane:	1.3566	0.9415	0.9025	0.9390
N-Butane:	1.6436	1.1579	1.1535	1.1780
I-Pentane:	0.6384	0.4239	0.4138	0.4470
N-Pentane:	0.4571	0.3003	0.2865	0.3120
Hexane+:	0.8011	0.8057	0.9798	0.9670
BTU:	1302.9	1250.9	1257.5	1259.6
GPM:	19.4250	19.0640	19.1090	19.1260
SPG:	0.7511	0.7181	0.7223	0.7236



Well Name: OWEN #2D; BHD
 API #: API # 3004532004
 Source: BRADENHEAD
 Sample Type: GAS
 Analysis No: RP200003
 Cust No: 69030-10240

Well/Lease Information

Customer Name: RODDY PRODUCTION CO.
 Well Name: OWEN #2D; BHD
 County/State: SAN JUAN NM
 Location:
 Lease/PA/CA:
 Formation: MESE VERDE
 Cust. Stn. No.: API # 3004532004

Source: BRADENHEAD
 Well Flowing: Y
 Pressure: 25 PSIG
 Flow Temp: DEG. F
 Ambient Temp: 98 DEG. F
 Flow Rate: MCF/D
 Sample Method: Purge & Fill
 Sample Date: 07/22/2020
 Sample Time: 3.13 PM
 Sampled By:
 Sampled by (CO): RODDY PRODUCTION

Heat Trace:
 Remarks:

Analysis

Component:	Mole%:	Unnormalized %:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	11.8719	11.7226	1.3080	0.00	0.1148
CO2	0.0082	0.0081	0.0010	0.00	0.0001
Methane	87.3446	86.2464	14.8290	882.18	0.4838
Ethane	0.7129	0.7039	0.1910	12.62	0.0074
Propane	0.0210	0.0207	0.0060	0.53	0.0003
Iso-Butane	0.0359	0.0354	0.0120	1.17	0.0007
N-Butane	0.0017	0.0017	0.0010	0.06	0.0000
I-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
N-Pentane	0.0000	0.0000	0.0000	0.00	0.0000
Hexane Plus	0.0038	0.0038	0.0020	0.20	0.0001
Total	100.0000	98.7426	16.3500	896.75	0.6074

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0017
 BTU/CU.FT IDEAL: 898.8
 BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 900.4
 BTU/CU.FT (WET) CORRECTED FOR (1/Z): 884.7
 DRY BTU @ 15.025: 918.4
 REAL SPECIFIC GRAVITY: 0.6081

CYLINDER #: 6114
 CYLINDER PRESSURE: 24 PSIG
 ANALYSIS DATE: 07/20/2020
 ANALYSIS TIME: 04:01:46 PM
 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: 07/23/2020

GC Method: C6+ Gas



RODDY PRODUCTION CO.
WELL ANALYSIS COMPARISON

Lease: OWEN #2D; BHD
Stn. No.: API # 3004532004
Mtr. No.:

BRADENHEAD
MESE VERDE

07/23/2020
69030-10240

Smpl Date:	07/22/2020	08/10/2018	10/12/2017	09/26/2017	07/25/2014
Test Date:	07/20/2020	08/16/2018	10/12/2017	09/26/2017	07/25/2014
Run No:	RP200003	RP180002	RP170005	RP170003	RP140005
Nitrogen:	11.8719	10.6445	10.3034	11.2791	8.9070
CO2:	0.0082	0.0234	0.0151	0.0411	0.0480
Methane:	87.3446	88.5684	88.8646	87.9365	89.9910
Ethane:	0.7129	0.7326	0.7535	0.7229	0.8240
Propane:	0.0210	0.0168	0.0163	0.0144	0.0160
I-Butane:	0.0359	0.0054	0.0046	0.0044	0.0060
N-Butane:	0.0017	0.0025	0.0020	0.0016	0.0040
I-Pentane:	0.0000	0.0000	0.0000	0.0000	0.0010
N-Pentane:	0.0000	0.0000	0.0000	0.0000	0.0000
Hexane+:	0.0038	0.0064	0.0405	0.0000	0.2030
BTU:	900.4	912.3	917.4	905.1	938.9
GPM:	16.3500	16.4220	16.4540	16.3790	16.5900
SPG:	0.6081	0.6030	0.6025	0.6054	0.6020



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

BRADENHEAD TEST REPORT

(Submit 1 copy to above address)

Date of Test 7/14/2020 Operator Roddy Production Co. API #30-045-32005

Property Name Owen Well No. 2E Location: Unit E Section 19 Township 31N Range 12W

Well Status (Shut-In or Producing) Initial PSI: Tubing 33 Intermediate N/A Casing 33 Bradenhead 1.6

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE			INTERM	
	BH	Bradenhead Int	Csg	Int	Csg
TIME					
5 min	<u>0</u>		<u>34</u>		
10 min	<u>0</u>		<u>34</u>		
15 min	<u>0</u>		<u>33</u>		
20 min					
25 min					
30 min					

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow	
Surges	
Down to Nothing	<u>X</u>
Nothing	
Gas	<u>X</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 0 INTERMEDIATE N/A

REMARKS:

Well on casing flow. Nothing on BH after 5 min SI.

By Jeremy Divine

Witness _____

Foreman

(Position)

E-mail address jdivine@crowquest.com



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

BRADENHEAD TEST REPORT

(Submit 1 copy to above address)

Date of Test 7/14/2020 Operator Roddy Production Co. API #30-045-30293

Property Name Owen Well No. 2R Location: Unit C Section 19 Township 31N Range 12W

Well Status (Shut-In or Producing) Initial PSI: Tubing 30 Intermediate N/A Casing 35 Bradenhead 1.2

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE				
	BH	Bradenhead Int	Csg	INTERM Int	Csg
5 min	<u>0</u>		<u>36</u>		
10 min	<u>0</u>		<u>37</u>		
15 min	<u>0</u>		<u>38</u>		
20 min					
25 min					
30 min					

FLOW CHARACTERISTICS	
BRADENHEAD	INTERMEDIATE
Steady Flow	
Surges	
Down to Nothing	<u>X</u>
Nothing	
Gas	<u>X</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 0 INTERMEDIATE N/A

REMARKS: Test taken on S.I. cycle

By Jeremy Divine
Foreman
(Position)

Witness _____

E-mail address jdivine@crowquest.com