

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

(505) 334-6178 FAX: (505) 334-6170 http://emnrd.state.nm.us/ocd/District III/3distric.htm

BRADENHEAD TEST REPORT

Date of Tes	7/15	/2020	Op	erator _	Roddy Production Co. API #30-045-08274
Property Na	Property Name <u>Ransom</u> Well No. <u>1</u> Location: Unit <u>I</u> Section <u>13</u> Township <u>29N</u> Range <u>11W</u>				
Well Status (Shut-In or Producing) Initial PSI: Tubing 13 Intermediate . O Casing 19 Bradenhead 0					
OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH					
PRESSURE Testing Bradenhead INTERM				RM	FLOW CHARACTERISTICS BRADENHEAD INTERMEDIATE
TIME BH	Int	Csg	Int	Csg	
5 min		22	0	24	Steady Flow
10 min 0	4.0	23	0	24	Surges
15 min 0		23	0	24	Down to Nothing
20 min					Nothing X
25 min	,				Gas
30 min					Gas & Water
	,	•			Water
If bradenhead	i flowed w	vater, chec	k all of th	e descrip	otions that apply below:
CLEAR FRESH SALTY SULFURBLACK					
		0			
5 MINUTE S	HUT-IN F	PRESSUR	E F	BRADEN	HEAD_() INTERMEDIATE_()
REMARKS:	Plumer	er wes	W. Te	st to	Ken during Shut in cycle.
	- Torrige that I are any sound in a significant				
-					
By Jeremy Divine Witness Witness					
Foreman (Position)					
E-mail address <u>jdivine@crownquest.com</u>					



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/3distric.htm

BRADENHEAD TEST REPORT

Date of Test $\frac{7/15/2020}{}$ Operator	Roddy Production Co. API #30-045-30859				
Property Name Raymond Simmons Well No. 2	2 Location: Unit P Section 17 Township 30N Range 11W				
Well Status (Shut-In or Producing) Initial PSI:	Tubing 130 Intermediate MB Casing 148 Bradenhead 0				
OPEN BRADENHEAD AND INTERMEDIATE	E TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH				
PRESSURE Testing Bradenhead INTERM BH Int Csg Int Csg	FLOW CHARACTERISTICS BRADENHEAD INTERMEDIATE				
TIME 5 min 0 148	Steady Flow				
10 min 2 149	Surges				
15 min 0 149	Down to Nothing				
20 min	Nothing X				
25 min	Gas				
30 min	Gas & Water				
	Water				
If bradenhead flowed water, check all of the description	ons 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 Witness					
Foreman (Position)					
E-mail address <u>jdivine@crownquest.com</u>					



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/3distric.htm

BRADENHEAD TEST REPORT

Date of Test_	7/15/202	Operator _	Roddy Production Co.	API #30-045-09451		
Property Nan	Property Name Raymond Simmons Well No. 1 Location: Unit M Section 17 Township 30N Range 11W					
Well Status (Shut-In or Produ	cing) Initial PSI	: Tubing <u>5</u> Intermediate	What. Casing 5 Bradenhead 0		
OPEN BRA	DENHEAD AND	INTERMEDIA	ΓΕ ΤΟ ATMOSPHERE INDIV	VIDUALLY FOR 15 MINUTES EACH		
PRESSURE Testing Bradenhead INTERM BH Int Csg Int Csg			FLC BRADEN	OW CHARACTERISTICS NHEAD INTERMEDIATE		
TIME 5 min 0	5		Steady Flow			
10 min	5		Surges			
15 min 10	5		Down to Nothing			
20 min			Nothing X			
25 min			Gas			
30 min			Gas & Water			
		#/ O	Water			
If bradenhead	flowed water, chec	k all of the descrip	tions that apply below:			
CLEAR FRESH SALTY SULFUR BLACK						
5 MINUTE SH	5 MINUTE SHUT-IN PRESSURE BRADENHEAD D INTERMEDIATE					
REMARKS: Well on coising flow						
By Jeremy Divine Witness						
Foreman (Position	on)					
E-mail address _jdivine@crownquest.com						



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/3distric.htm

BRADENHEAD TEST REPORT

Date of	Test	7/15/	12020	Operato	or Roddy Production Co. API #30-045-30870	
Property	Property Name Raymond Simmons Well No. 3 Location: Unit M Section 17 Township 30N Range 11W					
Well Sta	Well Status (Shut-In or Producing) Initial PSI: Tubing 1 Intermediate 1 Casing 21 Bradenhead 0					
OPEN	OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH					
PRESSURE Testing Bradenhead INTERM BH Int Csg Int Csg					FLOW CHARACTERISTICS BRADENHEAD INTERMEDIATE	
TIME 5 min	0		21		Steady Flow	
10 min	0		20		Surges	
15 min	0		20		Down to Nothing	
20 min_	_				Nothing X	
25 min					Gas	
30 min					Gas & Water	
					Water	
If braden	head flo	owed wa	ter, chec	k all of the desc	criptions that apply below:	
C	CLEAR FRESH SALTY SULFUR BLACK					
5 MINUT	5 MINUTE SHUT-IN PRESSURE BRADENHEAD (INTERMEDIATE					
REMARKS: Plunger well producing at the end of cycle.						
By Jeremy Forem			ny D	์ ทากย	Witness	
E-mail address jdivine@crownquest.com						



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/3distric.htm

BRADENHEAD TEST REPORT

Date of Test $\frac{7/19/2020}{}$ Operator I	Roddy Production Co. API #30-045-30235				
Property Name Owen Well No. 2A	Location:Unit_A_Section 19_Township_31N Range12W				
Well Status (Shut-In or Producing) Initial PSI:	Well Status (Shut-In or Producing) Initial PSI: Tubing 28 Intermediate MA Casing 33 Bradenhead 93				
OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH					
PRESSURE Testing Bradenhead INTERM BH Int Csg Int Csg	FLOW CHARACTERISTICS BRADENHEAD INTERMEDIATE				
TIME 2 34	Steady Flow X				
10 min 0 35	Surges				
15 min 0 3 b	Down to Nothing				
20 min 0 37	Nothing				
25 min 0 38	Gas X				
30 min 0 38	Gas & Water				
2 0 W J 18	Water				
If bradenhead flowed water, check all of the description	ons that apply below:				
CLEAR FRESH SALTY SULFUR BLACK					
5 MINUTE SHUT-IN PRESSURE BRADENHEAD 5 INTERMEDIATE N/A .					
REMARKS: Tested during shut in cycle, will pull gas sample on BH a cowing					
and submitt analysis.					
By Jeremy Divine Witness Witness Witness					
E-mail address _jdivine@crownquest.com					



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: Cust. Stn. No.:

MESA VERDE

API #30-045-30235

Source: Well Flowing: **BRADENHEAD** Υ

Pressure:

PSIG

Flow Temp:

DEG. F

Ambient Temp:

DEG. F

Flow Rate:

MCF/D

Sample Method:

Purge & Fill

Sample Date: Sample Time: 07/22/2020 3.11 PM

Sampled By:

Sampled by (CO): RODDY PRODUCTION

Heat Trace:

Remarks:

Analysis

1		Analysis			
Component:	Mole%:	Unormalized %:	**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.

COMPRESSIBLITY FACTOR	(1/ Z):	1.0027	CYLINDER #:	6015
BTU/CU.FT IDEAL:		1128.0	CYLINDER PRESSURE:	84 PSIG
BTU/CU.FT (DRY) CORRECTED FO	R (1/Z):	1131.0	ANALYIS DATE:	07/20/2020
BTU/CU.FT (WET) CORRECTED FO	PR (1/Z):	1111.3	ANALYIS TIME:	04:09:29 PM
DRY BTU @ 15.025:		1153.7	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:		0.6356		

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



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



OWEN 2A; CSG API # 3004530235

API#: 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: Well Flowing: **CASING**

Pressure:

Υ **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

		, J			
Component::	Mole%:	Unormalized %:	**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.

COMPRESSIBLITY FACTOR	(1/Z):	1.0039	CYLINDER #:	4113
BTU/CU.FT IDEAL:		1287.5	CYLINDER PRESSURE:	31 PSIG
BTU/CU.FT (DRY) CORRECTED FO	R (1/Z):	1292.5	ANALYIS DATE:	07/20/2020
BTU/CU.FT (WET) CORRECTED FO	R (1/Z):	1270.0	ANALYIS TIME:	04:25:33 PM
DRY BTU @ 15.025:		1318.4	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:		0.745		

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



Lease: Stn. No.:

Hexane+:

BTU:

GPM:

SPG:

OWEN 2A; CSG

API # 3004530235

1.1130

1292.5

19.3780

0.7450

Mtr. No.:

CASING MV

2.5340

1441.0

20.3050

0.8329

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

1.3496

1385.7

20.0220

0.8097



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/3distric.htm

BRADENHEAD TEST REPORT

Date of Test $\frac{7/14/2020}{}$ Operator	Roddy Production API #30-0 45 - 32004			
	Location: Unit B Section 19 Township 31 N Range 12 W			
Well Status(Shut-In or Producing) Initial PSI: Tub	ing 39 Intermediate V/A Casing 39 Bradenhead 35			
OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH				
PRESSURE Testing Bradenhead INTERM BH Int Csg Int Csg	FLOW CHARACTERISTICS BRADENHEAD INTERMEDIATE			
TIME 5 min 0 34	Steady Flow			
10 min 0 33	Surges			
15 min () 33	Down to Nothing X			
20 min	Nothing			
25 min	GasX			
30 min	Gas & Water			
300 V	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 WA				
REMARKS: Well on casing flow Will pull gas sample on casing & D.H				
By Fore man (Position) Witness				
E-mail address Johning & Crowngrest. CON				



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

Υ

Pressure:

PSIG

Flow Temp:

Well Flowing:

DEG. F

Ambient Temp:

Flow Rate:

98 DEG. F

35 MCF/D

Sample Method: Sample Date:

Purge & Fill

Sample Time:

07/22/2020 3.14 PM

Sampled by (CO): RODDY PRODUCTION

Sampled By:

Heat Trace: Remarks:

Analysis

	Allalysis							
Component:	Mole%:	Unormalized %:	**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.

COMPRESSIBLITY FACTOR BTU/CU.FT IDEAL: BTU/CU.FT (DRY) CORRECTED FO	(1/Z): DR (1/Z):	1.0039 1297.8 1302.9	CYLINDER #: CYLINDER PRESSURE: ANALYIS DATE:	4011 40 PSIG 07/20/2020
BTU/CU.FT (WET) CORRECTED FC DRY BTU @ 15.025:	` '	1280.2 1329.0	ANALYIS TIME: ANALYSIS RUN BY:	04:17:27 PM PATRICIA KING
REAL SPECIFIC GRAVITY:		0.7511		

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



Lease: Stn. No.: OWEN #2D; CSG API # 3004532004 CASING MESE VERDE 07/23/2020 69030-10245

Mtr. No.:

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



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 SAN JUAN NM

County/State:

Location:

Lease/PA/CA:

MESE VERDE Formation:

Cust. Stn. No.:

API # 3004532004

Source: Well Flowing: **BRADENHEAD**

Pressure:

Υ **25 PSIG**

Flow Temp:

DEG. F

Ambient Temp:

98 DEG. F

Flow Rate:

MCF/D

Sample Method: Sample Date:

Purge & Fill 07/22/2020

Sample Time:

3.13 PM

Sampled By:

Sampled by (CO): RODDY PRODUCTION

Heat Trace: Remarks:

Analysis

Component:	Mole%:	Unormalized %:	**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.

COMPRESSIBLITY FACTOR	(1/ Z):	1.0017	CYLINDER #:	6114
BTU/CU.FT IDEAL:		898.8	CYLINDER PRESSURE:	24 PSIG
BTU/CU.FT (DRY) CORRECTED FO	PR (1/Z):	900.4	ANALYIS DATE:	07/20/2020
BTU/CU.FT (WET) CORRECTED FO	OR (1/Z):	884.7	ANALYIS TIME:	04:01:46 PM
DRY BTU @ 15.025:		918.4	ANALYSIS RUN BY:	PATRICIA KING
REAL SPECIFIC GRAVITY:		0.6081		

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



Lease:

OWEN #2D; BHD API # 3004532004 BRADENHEAD MESE VERDE 07/23/2020 69030-10240

Stn. No.: Mtr. No.:

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



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/3distric.htm

BRADENHEAD TEST REPORT

Date of	f Test_	7/19	4/202	Operate	or <u>Roo</u>	ddy Productio	on Co.	API ‡	#30-045-32005	-
Propert	ty Nan	ne <u>Ow</u>	en	Well No.	<u>2E</u>	_Location:Un	it_ <u>E</u> _Secti	on <u>19</u> _	Township 31N	Range12W
Well S	tatus (S	Shut-In	or Prod	ucing) Initial	PSI: Tul	bing <u>37</u> Inte	rmediate <u>/</u>	V/A Cas	ing <u>3,3</u> Bradenh	nead 1.6
OPE	N BRA	DENHI	EAD AN	D INTERMEI	DIATE TO	O ATMOSPHI	ERE INDIV	/IDUAL	LY FOR 15 MIN	UTES EACH
Testing	ВН	Braden Int	PRESSU head Csg	RE INTERM Int Cs	sg		FLC BRADEN		ARACTERISTICS INTERMEDIA	ТЕ
TIME 5 min_	0		34			Steady Flow				
10 min_	0_		34			Surges				
15 min_	0		33			Down to Not	hingX_			
20 min_						Nothing				
25 min_						GasX				
30 min_	_==					Gas & Water				
						Water		:		
<u>If brade</u>	nhead 1	flowed w	ater, che	ck all of the de	scriptions	that apply bel	ow:			
	CLEAF	₹	FRESH	SALT	ΓΥ	SULFUR	BLACK			
5 MINU	TE SH	UT-IN F	PRESSUR	E BRA	DENHEA	d_ <i>0</i> int	ERMEDIAT	re_ <i>N/A</i>	!	
REMAR	.KS:	v	ell o	n Casin	g floi	w. V	othing	con I	14 cepter 5	min SI.
By <u>Jeren</u>	ny Divir eman	ne W	remy D	injmu	Wi	itness				
	(Positio	•								
E-mail a	adress_	jdivine(c	crownqu	est.com_		-				



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 HI/3distric.htm

BRADENHEAD TEST REPORT

Property Name Owen Well No. 2R Location: Unit C Section 19 Township 31N Range12W Well Status (Shut-Infor Producing) Initial PSI: Tubing 3D Intermediate 1/2 Casing 35 Bradenhead 1/2 Casing 36 Bradenhead 1/2 Casing 37 Bradenhead 1/2 Casing 35 Brad	Date of Test_	7/14/2020	_ Operator _	Roddy Production Co.	API <u>#30-045-30293</u>				
OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH PRESSURE PRESSURE Bradenhead INTERM BRADENHEAD INTERMEDIATE BIL INT Csg In	Property Name Owen Well No. 2R Location: Unit C Section 19 Township 31N Range12W								
PRESSURE Testing Bradenhead INTERM BH Int Csg Int Csg TIME O 36 Steady Flow Surges Down to Nothing To min O 38 Nothing To min O 38 Water Water The Address of Salary Surges It bradenhead flowed water, check all of the descriptions that apply below: CLEAR FRESH SALTY SULFUR BLACK S MINUTE SHUT-IN PRESSURE BRADENHEAD INTERMEDIATE MARKS: Test taken on S.T. Cycle By Jeremy Divine Water Witness Witness Witness	Well Status	Shut-In or Produ	icing) Initial PS	I: Tubing <u>30</u> Intermediate <u>W</u>	A Casing 35 Bradenhead 1.2				
Testing Bradenhead INTERM BRADENHEAD INTERMEDIATE TIME 5 min O	OPEN BRA	DENHEAD ANI) INTERMEDIA	TE TO ATMOSPHERE INDIVI	DUALLY FOR 15 MINUTES EACH				
5 min	BH	Bradenhead	INTERM						
Down to Nothing Nothing Sas X Salty Sulfur BLACK S MINUTE SHUT-IN PRESSURE BRADENHEAD D INTERMEDIATE NA REMARKS: Test taken on SI. wyle By Jeremy Divine www Witness Foreman (Position)	I &	36		Steady Flow					
20 min	10 min <i>D</i>	37		Surges					
25 min	15 min 0	3.8		Down to NothingX					
30 min Gas & Water Water Water Gloved water, check all of the descriptions that apply below: CLEAR FRESH SALTY SULFUR BLACK SMINUTE SHUT-IN PRESSURE BRADENHEAD O INTERMEDIATE NA ST. CYFE ST. CYFE Witness Witness (Position)	20 min			Nothing					
Water	25 min		-	Gas X					
If bradenhead flowed water, check all of the descriptions that apply below: CLEAR FRESH SALTY SULFUR BLACK 5 MINUTE SHUT-IN PRESSURE BRADENHEAD INTERMEDIATE MARKS: Test taken on S.T. cycle By Jeremy Divine water, check all of the descriptions that apply below: With the shut of the descriptions that apply below: With the shut of the descriptions that apply below: With the shut of the descriptions that apply below: With the shut of the descriptions that apply below: With the shut of the descriptions that apply below: With the shut of the descriptions that apply below: With the shut of the descriptions that apply below: With the shut of the descriptions that apply below: With the shut of the descriptions that apply below: With the shut of the descriptions that apply below: With the shut of the shut	30 min			Gas & Water					
CLEAR FRESH SALTY SULFUR BLACK 5 MINUTE SHUT-IN PRESSURE BRADENHEAD_O INTERMEDIATE MA REMARKS: Test taken on S.T. cycle By Jeremy Divine from Witness Foreman (Position)			E .	Water	*				
S MINUTE SHUT-IN PRESSURE BRADENHEAD O INTERMEDIATE M/A REMARKS: Test taken on S.I. cycle By Jeremy Divine www Witness Foreman (Position)	If bradenhead	If bradenhead flowed water, check all of the descriptions that apply below:							
By Jeremy Divine from Witness	CLEAR FRESH SALTY SULFUR BLACK								
By Jeremy Divine from June Witness Witness (Position)	5 MINUTE SHUT-IN PRESSURE BRADENHEAD O INTERMEDIATE N/A								
Foreman (Position)	REMARKS:	Test taken	i on S.I.	cycle					
Foreman (Position)									
	Foreman		Mino	Witness					
	•		est.com						