01981026

FORM 17 Rev 8/99

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109

FOR OGCC USE ONLY

RECEIVED
SEP 26 07
COGCC

BRADENHEAD TEST REPORT

Step 1. Record all tubing and casing pressures as found.
Step 2. Sample now, if intermediate or surface casing pressure >25 psi. In sensitive areas, 1 psi.
Step 3. Conduct Bradenhead test.
Step 4. Conduct Intermediate casing test.
Step 5. Send report to BLM within 30 days and to OGCC within 10 days. Include wellbore diagram if not previously submitted or if wellbore configuration has changed since prior program. Attach gas and liquid analyses if sampled.

1. OGCC Operator Number: 34725
2. Name of Operator: Gosney & Sons, Inc. 3. BLM Lease No:
4. API Number: 05-067-09255-00 5. Multiple completion? ☐ Yes ☑ No
6. Well Name: Gosney Number: #1-A
7. Location (QtrQtr, Sec, Twp, Rng, Meridian): SW/4NW/4 Sec 14U T34N R7W NMPM
8. County: La Plata 9. Field Name: Ignacio Blanco
10. Minerals: ☑ Fee ☐ State ☐ Federal ☐ Indian

11. Date of Test: Sept 13, 2007

12. Well Status: ☑ Flowing ☐ Shut In ☐ Gas Lift ☐ Pumping ☐ Injection ☐ Clock/Intermitter ☐ Plunger Lift

13. Number of Casing Strings: ☑ Two ☐ Three ☐ Liner?

14. **STEP 1: EXISTING PRESSURES**

Record all pressures as found	Tubing: 204 Fm: FC	Tubing: Fm:	Prod. Casing: 234 Fm: FC	Intermediate Csg:	Surface Casing: 113.8

15. **STEP 2:** See instructions above.

16. **STEP 3: BRADENHEAD TEST**

Buried valve? ☐ Yes ☑ No Confirmed open? ☑ Yes ☐ No

With gauges monitoring production, intermediate casing and tubing pressures, open surface casing (bradenhead) valve (if no intermediate casing, monitor only the production casing and tubing pressures.) Record pressures at five minute intervals. Define characteristics of flow in "Bradenhead Flow" column using letter designations below:

O = No Flow; C = Continuous; D = Down to 0; V = Vapor
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas

BRADENHEAD SAMPLE TAKEN?
☑ Yes ☐ No ☑ Gas ☐ Liquid

Character of Bradenhead fluid: ☐ Clear ☐ Fresh ☐ Sulfur ☐ Salty ☐ Black ☐ Other: (describe)

Sample cylinder number: 049A

Elapsed Time (Min:Sec)	Fm: FC Tubing:	Fm: FC Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Bradenhead Flow:
00:	204		234		G
05:	205		234.2		D
10:	206		234.6		0
15:	209.2		234.5		W
20:	209.5		234.9		W
25:	211.9		237.1		W
30:	211.5		236.4		W

Note instantaneous Bradenhead PSIG at end of test: > 0

17. **STEP 4: INTERMEDIATE CASING TEST**

Buried valve? ☐ Yes ☐ No Confirmed open? ☐ Yes ☐ No

With gauges monitoring production casing and tubing pressures, open the intermediate casing valve. Record pressures at five minute intervals. Characterize flow in "Intermediate Flow" column using letter designations below:

O = No Flow; C = Continuous; D = Down to 0; V = Vapor
H = Water H2O; M = Mud; W = Whisper; S = Surge; G = Gas

INTERMEDIATE SAMPLE TAKEN?
☐ Yes ☐ No ☐ Gas ☐ Liquid

Character of Intermediate fluid: ☐ Clear ☐ Fresh ☐ Sulfur ☐ Salty ☐ Black ☐ Other: (describe)

Sample cylinder number:

Elapsed Time (Min:Sec)	Fm: Tubing:	Fm: Tubing:	Production Casing PSIG	Intermediate Casing PSIG	Intermediate Flow:
00:					2323
05:					6565
10:					6565
15:					
20:					
25:					
30:					

Note instantaneous Intermediate Casing PSIG at end of test: >

18. Comments: See attached

19. **STEP 5:** See instructions above.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Test Performed by: Willard Hottell Title: Ind Contractor Phone: 970-749-8703

Signed: Willard Hottell Title: Date: Sept 13-07

WITNESSED BY: Title: Agency:

RECEIVED
SEP 26 07
COGCC

September 19, 2007

State of Colorado
Oil and Gas Conservation Commission
1120 Lincoln Street, Suite 801
Denver, CO 80203

Attachment to Form 17
Gosney #1-A Bradenhead test dated September 13, 2007
API 05-067-09255-00

Line 18. Comments: See attached gas sample analyses for Fruitland coal gas production and Bradenhead gas. Gas composition is dissimilar. Cement bond logs for this well are on file with COGCC. Gosney & Sons, Inc. encountered a very similar bradenhead pressure build-up on the offsetting well to the east (Gosney #4 well) when initially tested in 2003. The Bradenhead valve on the Gosney #4 well was left open for 60 days, and no recurrence of pressure build-up has occurred there since. The Bradenhead gas on the Gosney #1-A is presumed to be from the same, or similar, near-surface source.

The Bradenhead valve on the Gosney #1-A was closed from the time the well was completed in early 2007 until the Bradenhead test was performed on September 13, 2007. Bradenhead valve will remain open and venting until one week prior to the next required Bradenhead test.

P.O. BOX 367 • 497 SOWER DR. • BAYFIELD, COLORADO 81122
MAIN OFFICE (970) 884-9533 • FAX (970) 884-0321

GAS ANALYSIS SERVICE

2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. GS270027
CUST. NO. 31700 - 10045

WELL/LEASE INFORMATION

CUSTOMER NAME	GOSNEY & SONS	SOURCE	N/A Bradenhead
WELL NAME	GOSNEY #1A 067-09255	PRESSURE	114 PSI G
COUNTY/ STATE	LA PLATA CO	SAMPLE TEMP	N/A DEG.F
LOCATION	14-34N-07W	WELL FLOWING	Y
FIELD		DATE SAMPLED	09/13/2007
FORMATION	FRUITLAND COAL	SAMPLED BY	WILLARD HOTTELL
CUST.STN.NO.		FOREMAN/ENGR.	

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	4.762	0.0000	0.00	0.0461
CO2	0.010	0.0000	0.00	0.0002
METHANE	93.559	0.0000	947.10	0.5183
ETHANE	1.091	0.2916	19.35	0.0113
PROPANE	0.276	0.0760	6.96	0.0042
I-BUTANE	0.095	0.0311	3.10	0.0019
N-BUTANE	0.085	0.0268	2.78	0.0017
I-PENTANE	0.038	0.0139	1.52	0.0009
N-PENTANE	0.027	0.0098	1.08	0.0007
HEXANE PLUS	0.057	0.0254	3.01	0.0019
TOTAL	100.000	0.4746	984.90	0.5872

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR	(1/Z)	1.0020
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	986.9
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	970.6
REAL SPECIFIC GRAVITY		0.5881

GPM, BTU, and SPG calculations as shown above are based on current GPA factors.

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	981.5
DRY BTU @ 14.696	984.6
DRY BTU @ 14.730	986.9
DRY BTU @ 15.025	1,006.6

CYLINDER #	049A
CYLINDER PRESSURE	108 PSIG
DATE RUN	09/17/2007
ANALYSIS RUN BY	LUCAS MONTOYA

GAS ANALYSIS SERVICE

2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. GS270021
CUST. NO. 31700 - 10040

WELL/LEASE INFORMATION

CUSTOMER NAME	GOSNEY & SONS	SOURCE	METER RUN
WELL NAME	GOSNEY #1-A	PRESSURE	154 PSI G
COUNTY/ STATE	LAPLATA	SAMPLE TEMP	72.3 DEG.F
LOCATION		WELL FLOWING	Y
FIELD		DATE SAMPLED	08/15/2007
FORMATION		SAMPLED BY	R. JONES
CUST.STN.NO.		FOREMAN/ENGR.	

REMARKS

ANALYSIS

COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.196	0.0000	0.00	0.0019
CO2	6.432	0.0000	0.00	0.0977
METHANE	93.118	0.0000	942.63	0.5158
ETHANE	0.238	0.0636	4.22	0.0025
PROPANE	0.008	0.0022	0.20	0.0001
I-BUTANE	0.002	0.0007	0.07	0.0000
N-BUTANE	0.002	0.0006	0.07	0.0000
I-PENTANE	0.000	0.0000	0.00	0.0000
N-PENTANE	0.000	0.0000	0.00	0.0000
HEXANE PLUS	0.004	0.0018	0.21	0.0001
TOTAL	100.000	0.0689	947.40	0.6183

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY
** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBLITY FACTOR	(1/Z)	1.0020
BTU/CU.FT (DRY) CORRECTED FOR	(1/Z)	949.5
BTU/CU.FT (WET) CORRECTED FOR	(1/Z)	933.8
REAL SPECIFIC GRAVITY		0.6192

GPM, BTU, and SPG calculations as shown above are based on current GPA factors.

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	944.3
DRY BTU @ 14.696	947.3
DRY BTU @ 14.730	949.5
DRY BTU @ 15.025	968.5

CYLINDER #	4208
CYLINDER PRESSURE	144 PSIG
DATE RUN	08/21/2007
ANALYSIS RUN BY	TIFFANI MONTOYA