

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

MAY 17 2011

5. Lease Designation and Serial No.

Farmington, NM SF 078771

Bureau of Land Management

If Indian, Allottee or Tribe Name

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT TO DRILL" for permit for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

3. Address and Telephone No.
PO Box 640 Aztec, NM 87410-0640

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1395' FSL & 2245' FEL NW/4 SE/4 Sec 11, T31N, R6W

7. If Unit or CA, Agreement Designation
Rosa Unit

8. Well Name and No.
Rosa Unit #36B

9. API Well No.
30-039-26600

10. Field and Pool, or Exploratory Area
BLANCO MV

11. County or Parish, State
Rio Arriba, New Mexico

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

TYPE OF ACTION

Abandonment
Recompletion
Plugging Back
Casing Repair
Altering Casing
☒ Other Bradenhead Repair

Change of Plans
New Construction
Non-Routine Fracturing
Water Shut-Off
Conversion to Injection
Dispose Water
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Objective: Repair Bradenhead.

- BP
1. MIRU, kill, blow down to Production tank. Ensure hatch is open.
 2. NDWH & NUBOP
 3. Inspect wellhead
 4. TOOH w/ tubing, inspect and repair.
 5. RIH w/ Retrievable BP.
 6. Blow down casing and bradenhead.
 7. Identify location of leak and repair.
 6. ND BOP's & NU tree.
 7. Return to production.

RCVD MAY 20 '11

OIL CONS. DIV.

DIST. 3

Notify NMOCD 24 hrs
prior to beginning
operations

* Notify all agencies prior to performing cut work.

14. I hereby certify that the foregoing is true and correct

Signed

Ben Mitchell
Ben Mitchell

Title Regulatory Specialist

Date 5/17/2011

(This space for Federal or State office use)

Approved by Original Signed: Stephen Mason

Title

Date

MAY 20 2011

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD AV



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

ANALYSIS NO. W1110002
CUST. NO. 85600 - 10040

WELL/LEASE INFORMATION

CUSTOMER NAME	WILLIAMS EXPLORATION & PRODUCTIO	SOURCE	BRADENHEAD
WELL NAME	ROSA #36B	PRESSURE	131 PSI G
COUNTY/ STATE		SAMPLE TEMP	N/A DEG.F
LOCATION		WELL FLOWING	N/A
FIELD		DATE SAMPLED	03/31/2011
FORMATION		SAMPLED BY	ROBERT LUJAN
CUST.STN.NO.		FOREMAN/ENGR.	

REMARKS

ANALYSIS				
COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.075	0.0080	0.00	0.0007
CO2	1.822	0.3120	0.00	0.0277
METHANE	93.211	15.8340	941.43	0.5163
ETHANE	4.002	1.0720	70.82	0.0415
PROPANE	0.637	0.1760	16.03	0.0097
I-BUTANE	0.104	0.0340	3.38	0.0021
N-BUTANE	0.071	0.0220	2.32	0.0014
I-PENTANE	0.027	0.0100	1.08	0.0007
N-PENTANE	0.011	0.0040	0.44	0.0003
HEXANE PLUS	0.040	0.0180	2.11	0.0013
TOTAL	100.000	17.4900	1,037.61	0.6017

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z)	1.0023	GPM, BTU, and SPG calculations as shown above are based on current GPA factors.
BTU/CU.FT (DRY) CORRECTED FOR (1/Z)	1,042.4	
BTU/CU.FT (WET) CORRECTED FOR (1/Z)	1,024.3	
REAL SPECIFIC GRAVITY	0.6029	

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	1,036.7	CYLINDER #	5
DRY BTU @ 14.696	1,040.0	CYLINDER PRESSURE	122 PSIG
DRY BTU @ 14.730	1,042.4	DATE RUN	04/01/2011
DRY BTU @ 15.025	1,063.3	ANALYSIS RUN BY	LOGAN RICHTER

WILLIAMS EXPLORATION & PRODUCTION
WELL ANALYSIS COMPARISON

LEASE : ROSA #36B

BRADENHEAD

4/4/2011

STN.NO.:

85600 - 10040

MTR.NO.:

SMPL DATE	03/31/2011
TEST DATE	04/01/2011
RUN NR.	WI110002
NITROGEN	0.075
CO2	1.822
METHANE	93.211
ETHANE	4.002
PROPANE	0.637
I-BUTANE	0.104
N-BUTANE	0.071
I-PENTANE	0.027
N-PENTANE	0.011
HEXANE +	0.040
BTU	1,042.4
GPM	17.4900
SP.GRAV.	0.6029



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

ANALYSIS NO. WI110003
CUST. NO. 85600 - 10045

WELL/LEASE INFORMATION

CUSTOMER NAME	WILLIAMS EXPLORATION & PRODUCTIO	SOURCE	PRODUCTION CASING
WELL NAME	ROSA #36B	PRESSURE	131 PSI G
COUNTY/ STATE		SAMPLE TEMP	N/A DEG.F
LOCATION		WELL FLOWING	N/A
FIELD		DATE SAMPLED	03/31/2011
FORMATION		SAMPLED BY	ROBERT LUJAN
CUST.STN.NO.		FOREMAN/ENGR.	

REMARKS

ANALYSIS				
COMPONENT	MOLE %	GPM**	B.T.U.*	SP.GR *
NITROGEN	0.133	0.0150	0.00	0.0013
CO2	1.811	0.3100	0.00	0.0275
METHANE	93.036	15.8050	939.66	0.5153
ETHANE	3.987	1.0680	70.56	0.0414
PROPANE	0.638	0.1760	16.05	0.0097
I-BUTANE	0.104	0.0340	3.38	0.0021
N-BUTANE	0.073	0.0230	2.38	0.0015
I-PENTANE	0.027	0.0100	1.08	0.0007
N-PENTANE	0.011	0.0040	0.44	0.0003
HEXANE PLUS	0.180	0.0800	9.49	0.0060
TOTAL	100.000	17.5250	1,043.04	0.6057

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z)	1.0023
BTU/CU.FT (DRY) CORRECTED FOR (1/Z)	1,047.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z)	1,029.7
REAL SPECIFIC GRAVITY	0.6068

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	1,042.2
DRY BTU @ 14.696	1,045.5
DRY BTU @ 14.730	1,047.9
DRY BTU @ 15.025	1,068.9

CYLINDER #	4
CYLINDER PRESSURE	125 PSIG
DATE RUN	04/01/2011
ANALYSIS RUN BY	PATRICIA KING

WILLIAMS EXPLORATION & PRODUCTION
WELL ANALYSIS COMPARISON

LEASE : ROSA #36B

PRODUCTION CASING

4/4/2011

STN.NO.:

85600 -

10045

MTR.NO.:

SMPL DATE	03/31/2011
TEST DATE	04/01/2011
RUN NR.	WI110003
NITROGEN	0.133
CO2	1.811
METHANE	93.036
ETHANE	3.987
PROPANE	0.638
I-BUTANE	0.104
N-BUTANE	0.073
I-PENTANE	0.027
N-PENTANE	0.011
HEXANE +	0.180
BTU	1,047.9
GPM	17.5250
SP.GRAV.	0.6068



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

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

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 5-11-10 Operator Williams Production API #30-0 3926600

Property Name Rosa Unit Well No. 036B Location: Unit J Section 11 Township 31N Range 06W

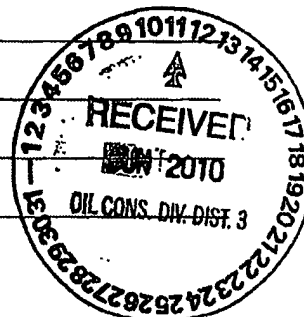
Well Status (Shut-In or Producing) Initial PSI: Tubing 154 Intermediate — Casing 154 Bradenhead 154

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE			INTERM	
	Bradenhead			Int	Csg
	BH	Int	Csg		
TIME					
5 min	1"		154"		
10 min	1"		153"		
15 min	1"		153"		
20 min	1"		153"		
25 min	1"		153"		
30 min	1"		153"		

FLOW CHARACTERISTICS
BRADENHEAD INTERMEDIATE

Steady Flow ✓ to 2" in 2 sec.
Surges _____
Down to Nothing _____
Nothing _____
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 154 INTERMEDIATE _____

REMARKS:

Bradenhead shut-in 24 hrs. prior to test. Bradenhead continued to flow a steady flow the entire 30 minutes. Left Bradenhead closed after test was complete

By Tom Montoya
Tech
(Position)

Witness _____

E-mail address tom.montoya@williams.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>

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 2-22-11 Operator Williams Production API #30-0 3926600

Property Name Rosa Unit Well No. 036B Location: Unit J Section 11 Township 31N Range 06W

Well Status (Shut-In or Producing) Initial PSI: Tubing 123 Intermediate N/A Casing 132 Bradenhead 132

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE					FLOW CHARACTERISTICS	
	Bradenhead			INTERM		BRADENHEAD	INTERMEDIATE
	BH	Int	Csg	Int	Csg		
5 min	0		131			Steady Flow <u>X</u>	
10 min	0		131			Surges	
15 min	0		131			Down to Nothing	
20 min	0		131			Nothing	
25 min	0		131			Gas <u>X</u>	
30 min	0		131			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 132 INTERMEDIATE

REMARKS:
Down to soft blow in 1 second steady blow for 30 minutes
BH Pressured up to 132 PSI in 30 seconds, left BH
valve closed after test

By Matt Basye
Lead
(Position)

Witness John Dumas

E-mail address

Entered & Submitted 2/23/11