

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED

Budget Bureau No 1004-0135

MAY 17 2011

Expires March 31, 1993

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 TO DRILL" for permit for such proposals

5. Lease, Designation and Serial No
Farmington Field Office
NMSF 078765
Bureau of Land Management

6. If Indian, Allottee or Tribe Name

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)
1690' FSL & 925' FWL NW/4 SW/4 Sec 08, T31N, R6W

7. If Unit or CA, Agreement Designation
Rosa Unit

8. Well Name and No.
Rosa Unit #273

9. API Well No.
30-045-28248

10. Field and Pool, or Exploratory Area
Basin Fruitland Coal

11. County or Parish, State
San Juan, 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.

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

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Notify NMOCD 24 hrs
prior to beginning
operations

* Notify all agencies before any remedial actions are taken

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 Petr. Eng

Title Petr. Eng Date 5/19/11

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. WI110005
CUST. NO. 85600 - 10055

WELL/LEASE INFORMATION

CUSTOMER NAME	WILLIAMS EXPLORATION & PRODUCTIO	SOURCE	METER RUN
WELL NAME	ROSA 273	PRESSURE	29 PSI G
COUNTY/ STATE		SAMPLE TEMP	N/A DEG F
LOCATION		WELL FLOWING	N/A
FIELD		DATE SAMPLED	04/27/2011
FORMATION		SAMPLED BY	MARK GLOVER
CUST.STN.NO.		FOREMAN/ENGR.	CYD SHEPARD

REMARKS

ANALYSIS				
COMPONENT	MOLE %	GPM**	B T U.*	SP GR *
NITROGEN	0.138	0.0150	0.00	0.0013
CO2	11.829	2.0230	0.00	0.1797
METHANE	87.710	14.9000	885.87	0.4858
ETHANE	0.315	0.0840	5.57	0.0033
PROPANE	0.006	0.0020	0.15	0.0001
I-BUTANE	0.000	0.0000	0.00	0.0000
N-BUTANE	0.002	0.0010	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	0.000	0.0000	0.00	0.0000
TOTAL	100.000	17.0250	891.66	0.6703

* @ 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)	895.8	
BTU/CU.FT (WET) CORRECTED FOR (1/Z)	880.2	
REAL SPECIFIC GRAVITY	0.6716	

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	890.9	CYLINDER #	1029
DRY BTU @ 14.696	893.7	CYLINDER PRESSURE	17 PSIG
DRY BTU @ 14.730	895.8	DATE RUN	04/28/2011
DRY BTU @ 15.025	913.7	ANALYSIS RUN BY	PATRICIA KING

WILLIAMS EXPLORATION & PRODUCTION
WELL ANALYSIS COMPARISON

LEASE : ROSA 273

METER RUN

4/28/2011

STN.NO. :

85600 - 10055

MTR.NO. :

SMPL DATE 04/27/2011

TEST DATE 04/28/2011

RUN NR WI110005

NITROGEN 0.138

CO2 11.829

METHANE 87.710

ETHANE 0.315

PROPANE 0.006

I-BUTANE 0.000

N-BUTANE 0.002

I-PENTANE 0.000

N-PENTANE 0.000

HEXANE + 0.000

BTU 895.8

GPM 17.0250

SP GRAV 0.6716



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

ANALYSIS NO. WI110004
CUST. NO. 85600 - 10050

WELL/LEASE INFORMATION

CUSTOMER NAME	WILLIAMS EXPLORATION & PRODUCTIO	SOURCE	BRADENHEAD
WELL NAME	ROSA 273	PRESSURE	40 PSI G
COUNTY/ STATE		SAMPLE TEMP	N/A DEG.F
LOCATION		WELL FLOWING	N/A
FIELD		DATE SAMPLED	04/27/2011
FORMATION		SAMPLED BY	MARK GLOVER
CUST.STN.NO.		FOREMAN/ENGR.	CYD SHEPARD

REMARKS

ANALYSIS				
COMPONENT	MOLE %	GPM**	B T U.*	SP GR *
NITROGEN	0.018	0.0020	0.00	0.0002
CO2	11.812	2.0200	0.00	0.1795
METHANE	87.581	14.8790	884.57	0.4851
ETHANE	0.306	0.0820	5.42	0.0032
PROPANE	0.005	0.0010	0.13	0.0001
I-BUTANE	0.004	0.0010	0.13	0.0001
N-BUTANE	0.006	0.0020	0.20	0.0001
I-PENTANE	0.002	0.0010	0.08	0.0000
N-PENTANE	0.001	0.0000	0.04	0.0000
HEXANE PLUS	0.278	0.1240	14.65	0.0092
TOTAL	100.013	17.1120	905.22	0.6775

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG F

COMPRESSIBILITY FACTOR (1/Z)	1.0024	GPM, BTU, and SPG calculations as shown
BTU/CU.FT (DRY) CORRECTED FOR (1/Z)	909.5	above are based on current GPA factors
BTU/CU.FT (WET) CORRECTED FOR (1/Z)	893.7	
REAL SPECIFIC GRAVITY	0.6789	

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

DRY BTU @ 14.650	904.6	CYLINDER #	1030
DRY BTU @ 14.696	907.4	CYLINDER PRESSURE	39 PSIG
DRY BTU @ 14.730	909.5	DATE RUN	04/28/2011
DRY BTU @ 15.025	927.7	ANALYSIS RUN BY	AMANDA FLOREZ

WILLIAMS EXPLORATION & PRODUCTION
WELL ANALYSIS COMPARISON

LEASE : ROSA 273

BRADENHEAD

4/28/2011

STN.NO. :

85600 - 10050

MTR.NO. :

SMPL DATE 04/27/2011

TEST DATE 04/28/2011

RUN NR WI110004

NITROGEN 0.018

CO2 11.812

METHANE 87.581

ETHANE 0.306

PROPANE 0.005

I-BUTANE 0.004

N-BUTANE 0.006

I-PENTANE 0.002

N-PENTANE 0.001

HEXANE + 0.278

BTU 909.5

GPM 17.1120

SP GRAV 0.6789



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

COPY

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6170 FAX: (505) 334-6170
<http://amnr.state.nm.us/ocd/District/District.htm>

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 6-16-10 Operator Williams Production API #30-0 4528248

Property Name Rosa Unit Well No. 273 Location: Unit L Section 8 Township 31N Range 06W

Well Status (Shut-In or Producing) Initial PSI: Tubing 21 Intermediate N/A Casing 42 Bradenhead 43

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing	PRESSURE					FLOW CHARACTERISTICS	
	Bradenhead			INTERM		BRADENHEAD	INTERMEDIATE
	BH	Int	Csg	Int	Csg		
TIME							
5 min	25	N/A	38			Steady Flow	✓
10 min	23	↓	36			Surges	
15 min	23	↓	35	N/A		Down to Nothing	
20 min	22	↓	34	N/A		Nothing	N/A
25 min	22	↓	34			Gas	
30 min	22		34			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 38 INTERMEDIATE _____

REMARKS: Left BH shut

By Henton Schwettman
Tech
(Position)

Witness _____

E-mail address Henton.Schwettman@williams.com

Received from Cyd
Shepard - Submitted
06/18/10



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

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 4/19/2011 Operator Williams Production API #30-0 4528248

Property Name Rosa Unit Well No. 273 Location: Unit L Section 8 Township 31N Range 06W

Well Status (Shut-In or Producing) Initial PSI: Tubing 17 Intermediate NA Casing 41 Bradenhead 42

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing Time	PRESSURE			INTERM	
	BH	Int	Csg	Int	Csg
5 min	35.3	NA	39	NA	
10 min	34.8	NA	38		
15 min	34.4	NA	38		
20 min	35.2	NA	38		
25 min	35.8	NA	39		
30 min	36.1	NA	39		

	FLOW CHARACTERISTICS	
	BRADENHEAD	INTERMEDIATE
Steady Flow		NA
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 43 INTERMEDIATE NA

REMARKS:

~42 psi on BH, open to atmosphere, steady Gas flow @ 5min,
steady gas flow @ 10min, steady gas flow @ 15min, steady gas flow @
20 min, steady flow @ 25min, PSI increase due to well being shut-in during test,
steady flow @ 30 min, BH & Casing communication. BH Left close
By Levi Thorsen Witness [Signature]

Field Tech Lead
(Position)

E-mail address levi.thorsen@williams.com

BLM CONDITIONS OF APPROVAL

CASING REPAIR, WORKOVER AND RECOMPLETION OPERATIONS:

- 1. If casing repair operations are needed, obtain prior approval from this office before commencing repairs.**
- 2. A properly functioning BOP and related equipment must be installed prior to commencing casing repair, workover and/or recompletion operations.**
- 3. This well is in a Seasonal Closure Area, adhere to closure stipulations from 11/1 thru 3/31.**

SURFACE USE OPERATIONS:

The following Stipulations will apply to this well unless a particular Surface Managing Agency or private surface owner has supplied to BLM and operator a contradictory environmental stipulation. The failure of operator to comply with these requirements may result in assessments or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on location during construction, drilling and reclamation activity.

An agreement between operator and fee landowner will take precedence over BLM surface stipulations unless (in reference to 43 CFR Part 3160) 1) BLM determines that operator's actions will affect adjacent Federal or Indian surface, or 2) operator does not maintain well area and lease premises in a workmanlike manner with due regard for safety, conservation and appearance, or 3) no such agreement exists, or 4) in the event of well abandonment, minimal Federal restoration requirements will be required.

STANDARD STIPULATIONS: All surface areas disturbed during work-over activities and not in use for production activities will be reseeded. This should occur in the first 90 days after completion of work-over activities.

SPECIAL STIPULATIONS:

- 1. Pits will be fenced during work-over operation.**
- 2. All disturbance will be kept on existing pad.**
- 3. All pits will be pulled and closed immediately upon completion of the work-over activities.**
- 4. Pits will be lined with an impervious material at least 12 mils thick.**