

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 03 2008

FORM APPROVED
OMB No 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No
NMSF-078763
6. Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. ROSA UNIT
2. Name of Operator WILLIAMS PRODUCTION CO, LLC		8. Well Name and No. ROSA UNIT #359A
3a Address P O BOX 640 AZTEC, NM 87410	3b Phone No. (include area code) (505) 634-4208	9. API Well No 30-039-29939
4 Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface 465' FSL & 360' FWL, Sec 3, T31N, R5W / BHL 900' FSL & 760' FEL, Sec 4, T31N, R5W		10. Field and Pool or Exploratory Area BASIN FRUITLAND COAL
		11 Country or Parish, State RIO ARRIBA, NM

12 CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other ammended
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13 Describe Proposed or Completed Operation Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection)

RCVD JUL 17 '08
OIL CONS. DIV.

DIST. 3

Williams Production, LLC. plans to change this well from a horizontal drill to a directional cavitation as per attached plat, directional plan and drilling plan.

NOTE. This sundry is being ammended to include drill out, underreaming and completion information per attached operation plan

-P.C. non-prod.; sum p request granted 7/14/08-CEH.

Hold C104
for Directional Survey
and "As Drilled" plat

**NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT**

**CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.**

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Larry Higgins	Title Drilling COM
Signature <i>Larry Higgins</i>	Date 07/03/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>Troy L Salvors</i>	Title PE	Date 7-15-2008
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon	Office FFO	

Title 18 U S C Section 1001 and Title 43 U.S.C. Section 1212, make 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

- C. **BOP TESTING:** While drill pipe is in use, the pipe rams and the blind rams will be function tested once each trip. The anticipated reservoir is expected to be less than 1300 psi, so the BOPE will be tested to **250 psi (Low) for 5 minutes** and **1500 psi (High) for 10 minutes**. Utilize a BOPE Testing Unit with a recording chart and appropriate test plug for testing. The drum brakes will be inspected and tested each tour. **All tests and inspections will be recorded in the tour book as to time and results.**

III. MATERIALS

A. CASING PROGRAM:

CASING TYPE	OH SIZE (IN)	DEPTH (MD) (FT)	CASING SIZE (IN)	WEIGHT(LB)	GRADE
Surface	12 1/4	300	9 5/8	36	K-55
Intermediate	8 3/4	3,495	7	20	K-55
Liner	6 1/4	3,345 3,651	5 1/2	15.5	J-55

B. FLOAT EQUIPMENT:

1. SURFACE CASING: 9-5/8" notched regular pattern guide shoe. Run (1) standard centralizer on each of the bottom (4) joints of Surface Casing.
2. INTERMEDIATE CASING: 7" cement nose guide shoe with a self-fill insert float. Place float collar one joint above the shoe. Install (1) Turbulent centralizer on each of the bottom (3) joints and one standard centralizer every (3) joints to 2,500 ft. Run (1) Turbulent centralizer at 2,700 ft., 2,500 ft., 2,300ft., 2,000ft., 1,500 ft., and 1,000 ft. (NTL-FRA 90-1).
3. PRODUCTION LINER / CASING: 5-1/2" cement nose guide shoe with insert float in shoe.. Open hole liner no cement.

C. CEMENTING:

(Note: Volumes may be adjusted onsite due to actual conditions)

1. SURFACE: Use 160 sx (224 cu.ft.) of "Type III" with 2% CaCl₂ and 1/4# of cello-flake/sk (Yield = 1.41 cu.ft./sk, Weight = 14.5 #/gal.). Use **120% excess** to circulate the surface. WOC 12 hours. Total volume = 206 cu.ft. Test to 1500#.
2. INTERMEDIATE: Lead - 455 sx (946 cu.ft.) of "Type III" 65/35 poz with 8% gel, 1% CaCl₂ and 1/4# cello-flake/sk (Yield = 2.09 cu.ft./sk, Weight = 12.1 #/gal.). Tail - 50 sx (70cu.ft.) of "Type III" with 1/4# cello-flake/sk, and 1% CaCl₂ (Yield = 1.4 cu.ft./sk, Weight = 14.5#/gal.). Use **100% excess in Lead Slurry** to circulate to surface. **No excess in Tail Slurry.** Total volume = 1,016 cu.ft. Bump Plug to 1,500 psi. Notify engineering if cement is not circulated to surface.
3. PRODUCTION LINER: Open hole completion. No cement.

IV. COMPLETION

A. PRESSURE TEST

1. Pressure test 7" casing to 1500# for 30 minutes.

B. DRILL OUT

1. P/U 6-1/4" tri-cone bit and drill to TD
2. Underream hole with 9-1/2" underreamer to TD

C. CAVITATION

1. Cavitate well with reciprocation and rotation. Surge wells with water and air and then flow back. Cavitate for 2 to 3 weeks. Maximum pressure not expected to exceed 2,000 psi.

D. RUNNING TUBING

1. Fruitland Coal: Run 2-7/8", 6.5#, J-55, EUE tubing with a SN on top of bottom joint. Land tubing approximately 50' above TD.

Gary Sizemore
FOR Gary Sizemore
Sr. Drilling Engineer

RECEIVED

JUN 24 2008

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR Bureau of Land Management
BUREAU OF LAND MANAGEMENT Farmington Field Office

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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 Oil Well Gas Well Other

7. If Unit of CA/Agreement, Name and/or No.
ROSA UNIT

2. Name of Operator
WILLIAMS PRODUCTION CO., LLC

8. Well Name and No.
ROSA UNIT #359A

3a. Address
P. O BOX 640
AZTEC, NM 87410

3b. Phone No. (include area code)
(505) 634-4208

9. API Well No
30-039-29939

4. Location of Well (Footage, Sec, T., R., M., or Survey Description)
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10. Field and Pool or Exploratory Area
BASIN FRUITLAND COAL

11. Country or Parish, State
RIO ARRIBA, NM

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OIL CONS. DIV.
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14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)

Larry Higgins

Title Drilling COM

Signature

Date 06/23/2008

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Approved by

Troy L. Salyers

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Title PE

Date 7-15-2008

Office FFO

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(Instructions on page 2)

NMOCD

District I
1625 N. French Dr., Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
1220 S St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised October 12, 2005
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
1220 South St. Francis Dr
Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL	
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 359A	
*OGRID No 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6548'	

¹⁰ Surface Location

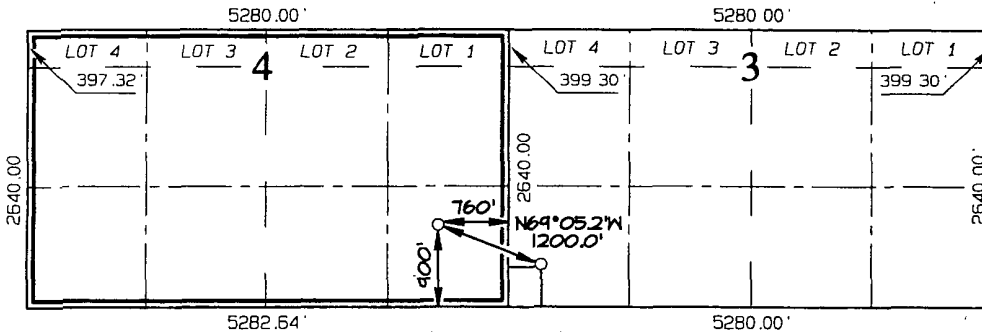
U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	3	31N	5W		465	SOUTH	360	WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

U. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	4	31N	5W		900	SOUTH	760	EAST	RIO ARRIBA

¹² Dedicated Acres 368.28 Acres (Entire Section 4)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



BOTTOM-HOLE
900' FSL, 750' FHL
LAT: 36 92372' N
LONG: 107 36133' W
DATUM: NAD83

SURFACE LOCATION
465' FSL, 360' FHL
LAT: 36 92253' N
LONG: 107 35750' W
DATUM: NAD83

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Larry Higgins 6-23-08
Signature Date
LARRY HIGGINS
Printed Name

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief

Date Revised: JUNE 7, 2008
Survey Date: OCTOBER 18, 2005

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



**ROSA UNIT #359-A
RIO ARRIBA CO., NEW MEXICO**

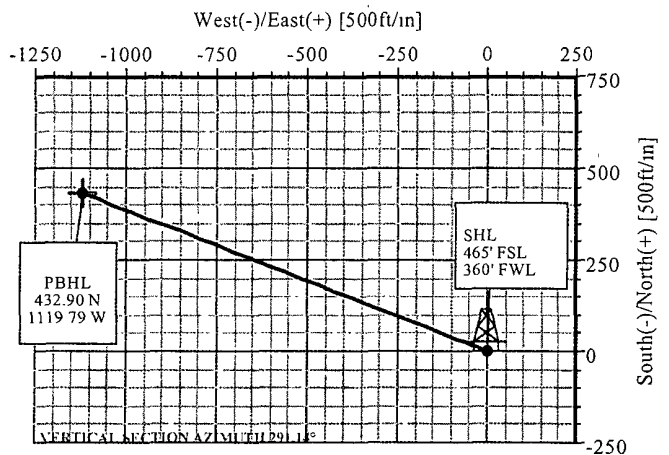
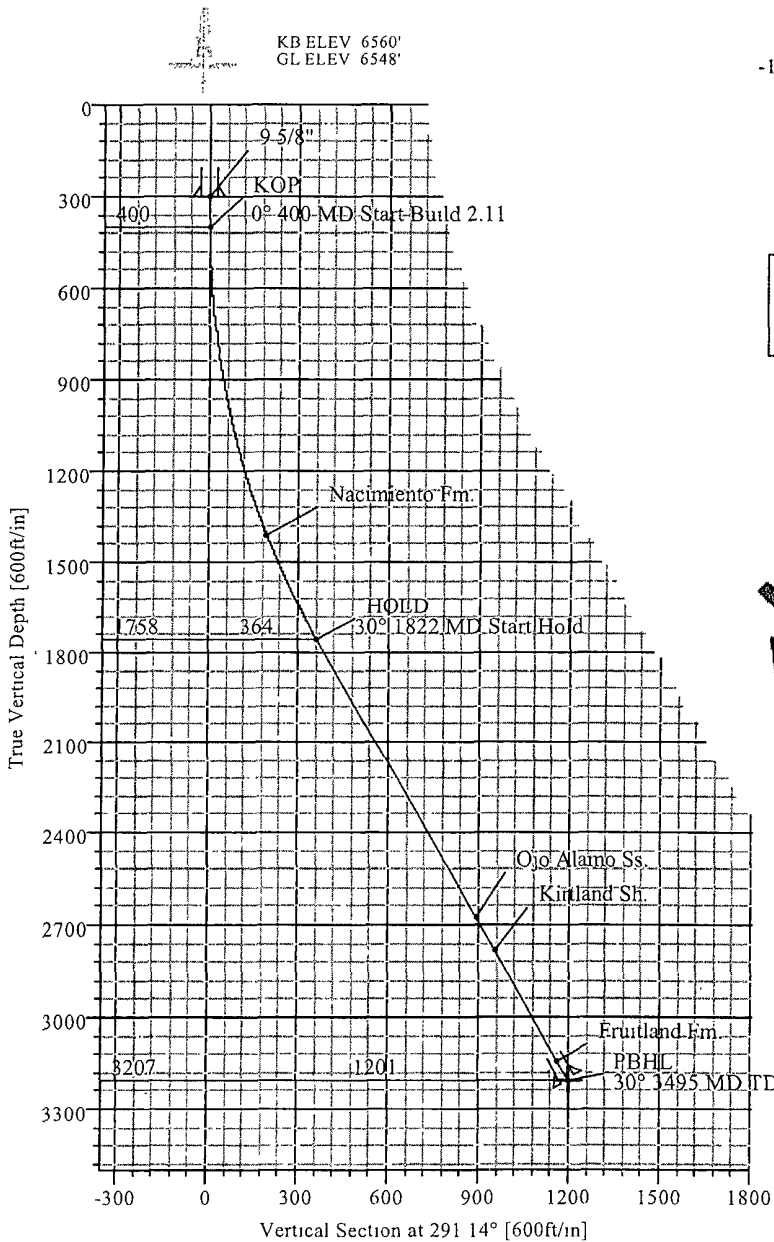
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	291.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	400.00	0.00	291.14	400.00	0.00	0.00	0.00	0.00	0.00	0.00
3	1821.76	30.00	291.14	1757.68	131.18	-339.32	2.11	291.14	363.79	
4	3495.29	30.00	291.14	3207.00	432.90	-1119.79	0.00	0.00	1200.55	PBHL

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
#359A	0.00	0.00	2156976.92	1316692.24	36°55'21.110N	107°21'27.000W	N/A

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
PBHL	3207.00	432.90	-1119.79	36°55'25.390N	107°21'40.790W	Point

CASING DETAILS				
No.	TVD	MD	Name	Size
1	300.00	300.00	9 5/8"	9.625
2	3207.00	3495.29	7"/PBHL	0.000

FORMATION TOP DETAILS			
No	TVDPath	MDPath	Formation
1	1412.00	1437.03	Nacimiento Fm.
2	2672.00	2877.52	Ojo Alamo Ss
3	2782.00	3004.54	Kirtland Sh
4	3142.00	3420.23	Fruitland Fm



T
M

Azimuths to True North
Magnetic North: 10 17°

Magnetic Field
Strength: 51240nT
Dip Angle: 63.78°
Date: 6/19/2008
Model: bggm2007

TOTAL CORRECTION TO TRUE NORTH 10 17°

SITE DETAILS	
Rosa Unit #359-A 465' FSL 360' FWL of SEC 4, T-31-N, R-5-W	
Site Centre Latitude	36°55'21.110N
Longitude	107°21'27.000W
Ground Level	6548.00
Positional Uncertainty	0.00
Convergence	-0.67

FIELD DETAILS	
Rio Arriba Co., NM (NAD 83)	
Geodetic System	US State Plane Coordinate System 1983
Ellipsoid	GRS 1980
Zone	New Mexico, Central Zone
Magnetic Model	bggm2007
System Datum	Mean Sea Level
Local North	True North

Plan Plan #1 (#359A/1)
Created By: Lindsey Maddux Date: 6/19/2008