RECEIVED

Form 3160-5
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 18 2012
Farmington Field Office
Bureau of Land Management

FORM APPROVED
OMB No 1004-0137
Expires. March 31, 2007

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.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

5 Lease Serial No.
SF-078771

6. If Indian, Allottee or Tribe Name

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

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No
Rosa Unit #215A

2. Name of Operator
WPX Energy Production, LLC

9. API Well No.
30-039-27422

3a. Address
PO Box 640 Aztec, NM 87410

3b. Phone No *(include area code)*
505-333-1808

10 Field and Pool or Exploratory Area
Basin Fruitland Coal

4. Location of Well *(Footage, Sec., T.,R .M., or Survey Description)*
SHL. 2631' FNL & 1150' FWL, sec 26 - BHL: 960' FSL & 660' FWL, sec 23, T31N, R6W

11. Country or Parish, State
Rio Arriba

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☒ Recomplete	☐ Other_____
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	_____
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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)

Williams plans to re enter this existing wellbore and convert this well from a vertical cavitation to a horizontal completion as per attached plat, operation plan and directional plan

NOTE: Williams would like to update the existing SHL records for this well. Due to resurveyed data and advancements in technology the SHL from the existing C-102 is inconsistent with the attached. It is our belief that the more accurate C-102 is the most recent of the two and would like provide the attached for record.

Review, Revise & Resubmit AS Discussed ef

RCVD APR 20 '12
OIL CONS. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct.
Name *(Printed/Typed)*
Larry Higgins

Title Permit Supervisor

Signature Larry Higgins

Date 04/18/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
Original Signed: Stephen Mason

Title

Date APR 19 2012

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

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.

(Instructions on page 2)

NMOCD

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

AMENDED REPORT

RECEIVED
APR 18 2012
Farmington Field Office
Bureau of Land Management

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-039-27422	71629	BASIN FRUITLAND COAL

4 Property Code	5 Property Name	6 Well Number
17033	ROSA UNIT	215A

7 OGRID No.	8 Operator Name	9 Elevation
120782	WPX ENERGY PRODUCTION	6428'

10 Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	26	31N	6W		2631	NORTH	1150	WEST	RIO ARRIBA

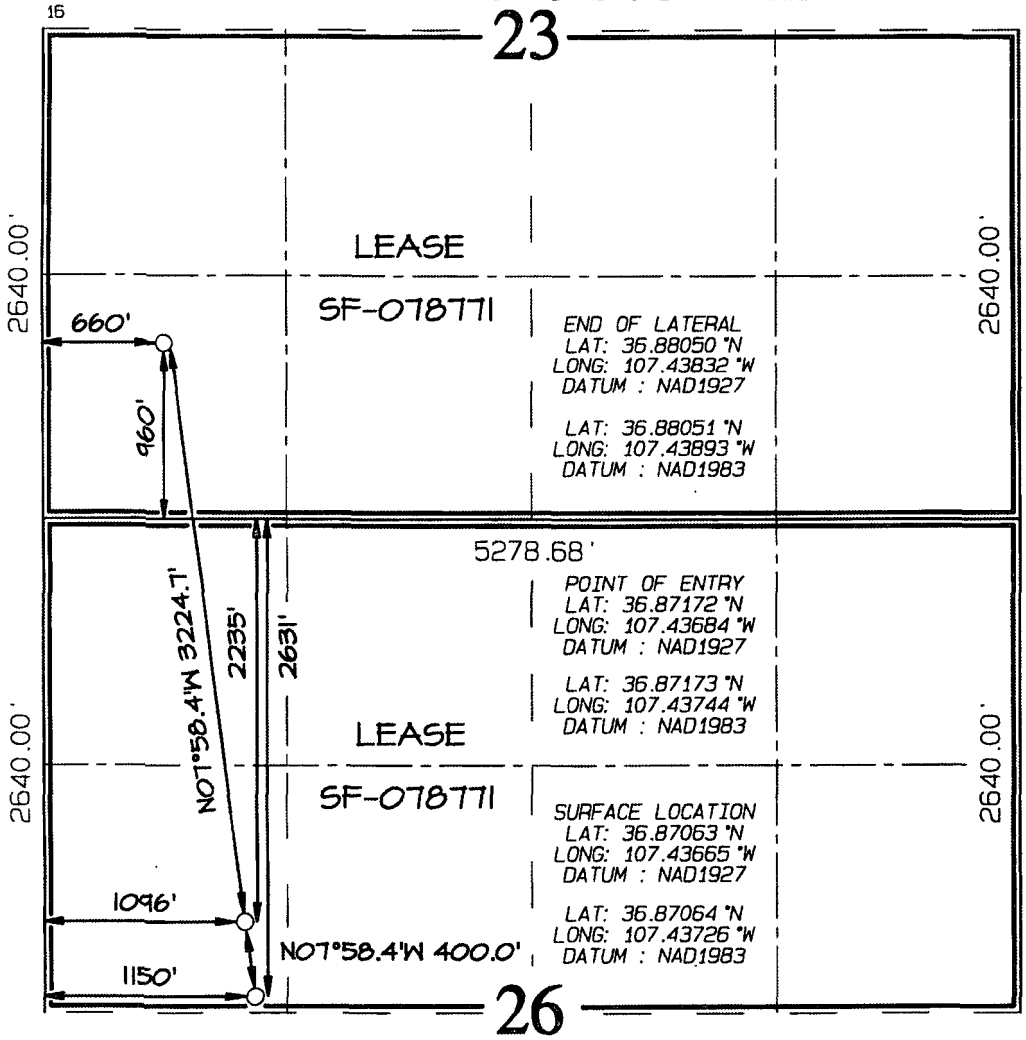
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	23	31N	6W		960	SOUTH	660	WEST	RIO ARRIBA

12 Dedicated Acres		13 Joint or Infill	14 Consolidation Code	15 Order No.
640.0 Acres	S/2 - Section 23 N/2 - Section 26			R-13491

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

16



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.

Signature — Date: 04/18/12

Larry Higgins
Printed Name

larry.higgins@wpxenergy.com
E-mail Address

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: APRIL 6, 2012
Date of Survey: MARCH 12, 2003

Signature and Seal of Professional Surveyor

JASON C. EDWARDS
NEW MEXICO
15269
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS
Certificate Number 15269

WILLIAMS PRODUCTION COMPANY

Operations Plan

(Note: This procedure will be adjusted on site based upon actual conditions)

DATE:	4/16/2012		
WELLNAME:	Rosa Unit #215A	**FIELD:**	Basin Fruitland Coal
BH LOCATION:	SWNW Sec. 23-T31N-6W Rio Arriba, NM	**SURFACE:**	BLM
ELEVATION:	6,428' GR	**MINERALS:**	Federal
TOTAL DEPTH:	6,603'	**LEASE #**	SF-078771
API#:	30-039-27422		

I. **GEOLOGY:** Surface formation - San Jose

A. **FORMATION TOPS:** (KB)

NAME		TVD	MD
Kirtland		2,615	2,615
Fruitland		3,000	3,027
Top Target Coal		3,235	3,544
Bottom Target Coal		3,248	
Picture Cliffs		3,296	
TD		3,236	**6,427**

B. **LOGGING PROGRAM:** None

C. **NATURAL GAUGES:** Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

D. **MUD LOGGING PRORAM:** Mud logger will be on location from mill out to TD.

II. **PREPARATORY WORK**

A. MIRU w/ workover rig
B. POOH/LD rods and pump
C. POOH/LD production tbg
D. Set retrievable bridge plug at +/- 2,646' inside 7" casing for 9.55 deg ROT
E. Pressure test 7" csg and bridge plug to 1,500 psi for 30 minutes
F. RDMO

III. **DRILLING**

A. **MUD PROGRAM:** LSND mud during mill out and while drilling curve. Treat for lost circulation as necessary. Notify Engineering of any mud losses.

B. **DRILLING FLUID:** Horizontal section will be drilled with Polymer mud system and produced water.

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.**

IV. MATERIALS

A. CASING PROGRAM (as is):

CASING TYPE	HOLE SIZE	DEPTH (MD)	CASING SIZE	WT. & GRADE
Surface	12-1/4"	314'	9-5/8"	36# J-55
Intermediate	8-3/4"	3,062'	7"	20# J-55
Prod. Liner	6-1/4"	3,002'- 3,364'	5-1/2"	17# N-80

B. CASING PROGRAM (after sidetrack):

CASING TYPE	HOLE SIZE	DEPTH (MD)	CASING SIZE	WT. & GRADE
Surface	12-1/4"	314'	9-5/8"	36# J-55
Intermediate	8-3/4"	3,062'	7"	20# J-55
Prod. Liner (motherbore)	6-1/4"	3,002'- 3,364'	5-1/2"	17# N-80
Prod. Liner (sidetrack)	6-1/4"	~2,636'- 6,603'	4-1/2"	11.6# K-55

- Sidetrack production liner is pre-perforated below top of fruitland with blank pipe from window to top of fruitland and will be dropped off with top of liner in open hole 5-10' outside of window.

C. FLOAT EQUIPMENT:

1. PRODUCTION LINER (sidetrack): No centralization

D. CEMENTING:

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

1. PRODUCTION LINER (sidetrack): Open hole completion. No cement.

V. COMPLETION

A. STIMULATION

1. No stimulation

B. 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 at approximately 3,300' MD inside of motherbore.

WPXENERGY

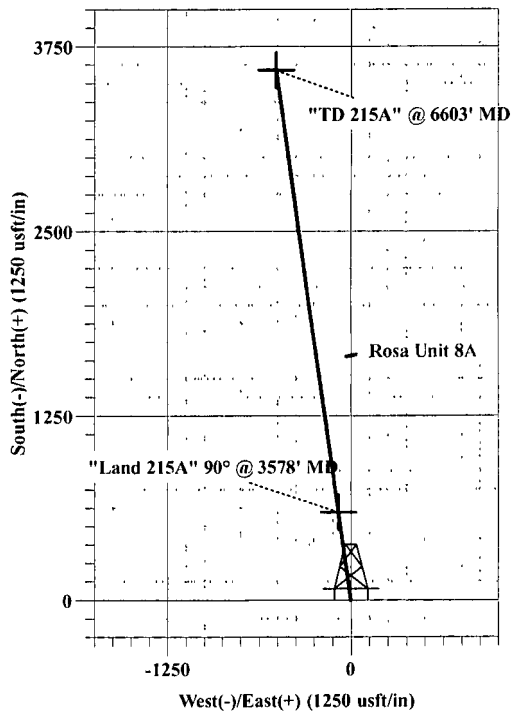
Rosa Unit 215A
ST01
Sec 26 T31N R06W
Rio Arriba Co., NM

PATHFINDER
A Schlumberger Company

GE: 6428'/ KB: 12'

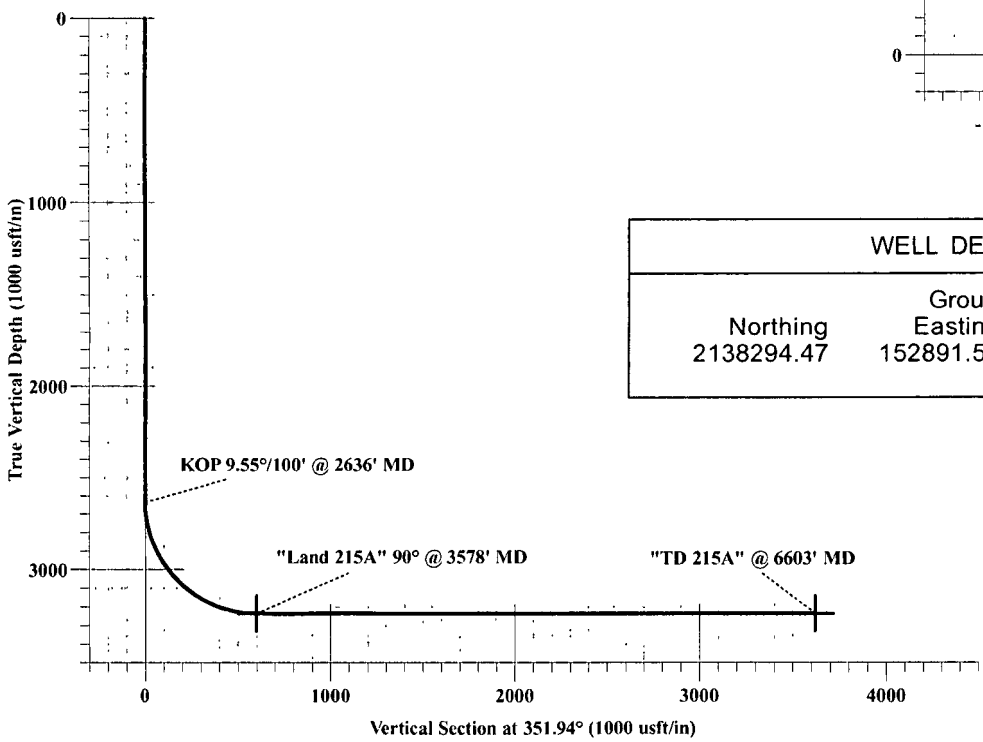
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BHL 215A	3236.0	3588.9	-508.4	2141889 42	152427.85	Point
Land 215A	3236.0	594.0	-84.1	2138889.47	152814.87	Point



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2464.0	2615.0	Kirtland
2849.0	3027 1	Fruitland
3084.0	3543.8	Top Target



WELL DETAILS: Rosa Unit 215A

Ground Level: 6428.0

Northing	Easting	Latittude	Longitude
2138294.47	152891.58	36° 52' 14.282 N	107° 26' 11.954 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2636.0	0.00	0.00	2636.0	0.0	0.0	0.00	0.00	0.0	
3578.5	90.00	351.94	3236.0	594.0	-84.1	9.55	351.94	600.0	
6603.2	90.00	351.94	3236 0	3588.9	-508.4	0.00	0.00	3624.7	BHL 215A

Plan: Design #1 (Rosa Unit 215A/ST01)

Created By: Breck Enoch Date: 11-Apr-2012

WPXENERGY

WPXEnergy

Rio Arriba Co., NM
Sec 26 T31N R06W
Rosa Unit 215A

ST01

Plan: Design #1

Standard Planning Report

11 April, 2012

PATHFINDER
A Schlumberger Company

Database:	EDM 5000 1 Single User Db	**Local Co-ordinate Reference:**	Well Rosa Unit 215A
Company:	WPXEnergy	**TVD Reference:**	WELL @ 6440 0usft (Original Well Elev)
Project:	Rio Arriba Co., NM	**MD Reference:**	WELL @ 6440.0usft (Original Well Elev)
Site:	Sec 26 T31N R06W	**North Reference:**	True
Well:	Rosa Unit 215A	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ST01		
Design:	Design #1		

Project	Rio Arriba Co., NM		
Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico Central 3002		

Site	Sec 26 T31N R06W				
Site Position:		**Northing:**	2,138,294.47 usft	**Latitude:**	36° 52' 14 282 N
From:	Lat/Long	**Easting:**	152,891 58 usft	**Longitude:**	107° 26' 11 954 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	-0 71 °

Well	Rosa Unit 215A					
Well Position	**+N/-S**	0 0 usft	**Northing:**	2,138,294 47 usft	**Latitude:**	36° 52' 14 282 N
	+E/-W	0.0 usft	**Easting:**	152,891 58 usft	**Longitude:**	107° 26' 11 954 W
Position Uncertainty		0 0 usft	**Wellhead Elevation:**		**Ground Level:**	6,428 0 usft

Wellbore	ST01				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	2012/04/11	9 67	63 62	50,771

Design	Design #1				
Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**	
	0 0	0 0	0 0	351.94	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0 0	0 00	0 00	0.0	0 0	0 0	0 00	0 00	0.00	0 00	
2,636 0	0 00	0.00	2,636 0	0 0	0 0	0.00	0.00	0.00	0.00	
3,578.5	90 00	351.94	3,236 0	594 0	-84.1	9.55	9.55	0 00	351 94	
6,603 2	90 00	351 94	3,236.0	3,588.9	-508 4	0 00	0.00	0.00	0 00	BHL 215A

Database:	EDM 5000 1 Single User Db	**Local Co-ordinate Reference:**	Well Rosa Unit 215A
Company:	WPXEnergy	**TVD Reference:**	WELL @ 6440.0usft (Original Well Elev)
Project:	Rio Arriba Co , NM	**MD Reference:**	WELL @ 6440.0usft (Original Well Elev)
Site:	Sec 26 T31N R06W	**North Reference:**	True
Well:	Rosa Unit 215A	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ST01		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0 0	0 00	0 00	0.0	0.0	0 0	0 0	0.00	0 00	0 00
100 0	0 00	0 00	100.0	0 0	0 0	0 0	0 00	0 00	0 00
200.0	0 00	0 00	200 0	0 0	0 0	0 0	0 00	0 00	0 00
300 0	0 00	0 00	300 0	0 0	0 0	0.0	0 00	0 00	0 00
400 0	0 00	0 00	400.0	0 0	0 0	0 0	0 00	0 00	0 00
500 0	0 00	0.00	500 0	0 0	0 0	0 0	0 00	0 00	0 00
600.0	0 00	0 00	600 0	0 0	0 0	0.0	0 00	0 00	0 00
700.0	0 00	0 00	700 0	0 0	0 0	0 0	0 00	0 00	0 00
800 0	0.00	0 00	800 0	0 0	0.0	0 0	0.00	0 00	0.00
900 0	0 00	0.00	900.0	0.0	0.0	0.0	0.00	0 00	0 00
1,000 0	0 00	0.00	1,000.0	0.0	0.0	0 0	0 00	0 00	0.00
1,100 0	0 00	0 00	1,100 0	0 0	0 0	0.0	0 00	0.00	0 00
1,200.0	0 00	0 00	1,200 0	0 0	0 0	0.0	0 00	0 00	0 00
1,300.0	0.00	0 00	1,300 0	0 0	0 0	0.0	0 00	0 00	0 00
1,400 0	0 00	0 00	1,400 0	0 0	0.0	0.0	0 00	0 00	0.00
1,500 0	0 00	0.00	1,500 0	0 0	0.0	0.0	0 00	0 00	0.00
1,600 0	0 00	0 00	1,600 0	0 0	0.0	0 0	0 00	0 00	0 00
1,700 0	*0 00*	*0.00*	*1,700.0*	*0.0*	*0.0*	*0 0*	*0 00*	*0 00*	*0 00*
1,800.0	0 00	0 00	1,800 0	0 0	0 0	0 0	0 00	0 00	0 00
1,900 0	0 00	0 00	1,900 0	0 0	0.0	0.0	0.00	0 00	0 00
2,000 0	0 00	0 00	2,000.0	0 0	0.0	0.0	0.00	0 00	0 00
2,100.0	0.00	0 00	2,100 0	0 0	0 0	0.0	0 00	0 00	0 00
2,200.0	0 00	0 00	2,200 0	0 0	0 0	0.0	0 00	0 00	0.00
2,300 0	0.00	0 00	2,300 0	0 0	0 0	0 0	0 00	0 00	0 00
2,400 0	0 00	0.00	2,400 0	0.0	0 0	0 0	0 00	0 00	0 00
2,500.0	0 00	0 00	2,500 0	0 0	0 0	0 0	0 00	0 00	0.00
2,600.0	0 00	0 00	2,600 0	0 0	0 0	0.0	0.00	0.00	0 00
2,615 0	0 00	0 00	2,615 0	0.0	0.0	0 0	0.00	0 00	0 00
Kirtland									
2,636 0	0 00	0 00	2,636 0	0 0	0 0	0 0	0 00	0.00	0 00
KOP 9.55°/100' @ 2636' MD									
2,650 0	1 33	351 94	2,650.0	0 2	0 0	0 2	9 55	9 55	0 00
2,700 0	6 11	351 94	2,699 9	3 4	-0 5	3 4	9 55	9 55	0.00
2,750.0	10 88	351 94	2,749 3	10 7	-1.5	10 8	9.55	9 55	0 00
2,800.0	15 66	351 94	2,798 0	22 0	-3 1	22.3	9 55	9 55	0 00
2,850 0	20 43	351.94	2,845 5	37.4	-5 3	37 7	9 55	9.55	0.00
2,900 0	25 21	351.94	2,891 6	56.6	-8 0	57 1	9.55	9.55	0 00
2,950 0	29 98	351 94	2,935 9	79 5	-11.3	80 3	9.55	9.55	0 00
3,000 0	34.76	351 94	2,978 1	106 0	-15.0	107.1	9 55	9 55	0 00
3,027.1	37 35	351 94	3,000 0	121 8	-17.3	123.0	9 55	9 55	0.00
Fruitland									
3,050 0	39 53	351.94	3,017 9	135 9	-19.2	137.2	9.55	9 55	0 00
3,100 0	44.31	351 94	3,055 1	168 9	-23 9	170.6	9.55	9.55	0 00
3,150 0	49 08	351.94	3,089 4	205 0	-29 0	207.0	9.55	9.55	0 00
3,200.0	53 86	351 94	3,120 5	243.7	-34 5	246 1	9 55	9 55	0 00
3,250 0	58 63	351.94	3,148 3	284 8	-40.3	287 7	9.55	9 55	0 00
3,300.0	63.41	351.94	3,172 5	328 1	-46 5	331 4	9 55	9 55	0 00
3,350.0	68 18	351 94	3,193 0	373 3	-52 9	377.0	9.55	9 55	0 00
3,400 0	72 96	351.94	3,209.7	419 9	-59 5	424.1	9 55	9 55	0.00
3,450.0	77 73	351 94	3,222 3	467 8	-66.3	472 5	9 55	9 55	0 00
3,500 0	82.51	351 94	3,230 9	516 6	-73 2	521.7	9 55	9.55	0 00
3,543 8	86 69	351 94	3,235 0	559 7	-79.3	565 3	9 55	9 55	0 00
Top Target									
3,550 0	87.28	351 94	3,235 3	565.9	-80 2	571.5	9 55	9 55	0 00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well Rosa Unit 215A
Company:	WPXEnergy	**TVD Reference:**	WELL @ 6440 0usft (Original Well Elev)
Project:	Rio Arriba Co., NM	**MD Reference:**	WELL @ 6440 0usft (Original Well Elev)
Site:	Sec 26 T31N R06W	**North Reference:**	True
Well:	Rosa Unit 215A	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ST01		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,578 5	90.00	351 94	3,236 0	594 0	-84.1	600 0	9.55	9.55	0.00
"Land 215A" 90° @ 3578' MD									
3,600.0	90 00	351 94	3,236 0	615 4	-87.2	621 5	0 00	0 00	0.00
3,700 0	90 00	351 94	3,236 0	714.4	-101 2	721.5	0 00	0 00	0 00
3,800.0	90 00	351 94	3,236.0	813 4	-115 2	821.5	0 00	0 00	0 00
3,900 0	90 00	351 94	3,236 0	912.4	-129 2	921.5	0 00	0.00	0 00
4,000 0	90 00	351 94	3,236 0	1,011 4	-143 3	1,021 5	0 00	0.00	0 00
4,100 0	90.00	351 94	3,236.0	1,110.4	-157 3	1,121.5	0.00	0.00	0 00
4,200 0	90 00	351.94	3,236.0	1,209 4	-171 3	1,221 5	0 00	0.00	0.00
4,300 0	90 00	351.94	3,236 0	1,308 4	-185 3	1,321 5	0 00	0.00	0.00
4,400 0	90 00	351.94	3,236 0	1,407 5	-199.4	1,421 5	0 00	0.00	0 00
4,500 0	90 00	351.94	3,236 0	1,506 5	-213.4	1,521 5	0.00	0.00	0.00
4,600.0	90.00	351.94	3,236.0	1,605 5	-227 4	1,621.5	0 00	0 00	0 00
4,700.0	90 00	351 94	3,236.0	1,704 5	-241 4	1,721.5	0 00	0 00	0 00
4,800 0	90 00	351 94	3,236 0	1,803.5	-255 5	1,821 5	0.00	0.00	0 00
4,900 0	90.00	351 94	3,236 0	1,902 5	-269 5	1,921 5	0.00	0.00	0 00
5,000 0	90.00	351.94	3,236 0	2,001 5	-283.5	2,021 5	0.00	0 00	0 00
5,100 0	90.00	351 94	3,236.0	2,100 5	-297 5	2,121.5	0 00	0 00	0 00
5,200 0	90 00	351 94	3,236 0	2,199.5	-311 6	2,221.5	0 00	0.00	0.00
5,300 0	90 00	351 94	3,236 0	2,298 6	-325 6	2,321 5	0.00	0 00	0 00
5,400 0	90.00	351 94	3,236 0	2,397.6	-339 6	2,421 5	0 00	0 00	0 00
5,500 0	90 00	351.94	3,236.0	2,496 6	-353.6	2,521 5	0 00	0 00	0 00
5,600 0	90 00	351 94	3,236 0	2,595 6	-367 7	2,621 5	0 00	0 00	0 00
5,700 0	90 00	351 94	3,236 0	2,694.6	-381 7	2,721 5	0 00	0.00	0.00
5,800 0	90 00	351 94	3,236 0	2,793 6	-395 7	2,821 5	0.00	0.00	0 00
5,900 0	90 00	351 94	3,236 0	2,892.6	-409.7	2,921 5	0 00	0 00	0 00
6,000 0	90 00	351 94	3,236 0	2,991 6	-423 8	3,021.5	0.00	0.00	0.00
6,100 0	90 00	351 94	3,236 0	3,090.6	-437 8	3,121.5	0 00	0 00	0 00
6,200 0	90 00	351 94	3,236.0	3,189 7	-451 8	3,221.5	0 00	0 00	0 00
6,300 0	90 00	351 94	3,236 0	3,288 7	-465 8	3,321.5	0 00	0 00	0.00
6,400 0	90 00	351 94	3,236 0	3,387 7	-479 9	3,421 5	0 00	0 00	0 00
6,500.0	90 00	351 94	3,236 0	3,486 7	-493 9	3,521 5	0 00	0 00	0 00
6,603 2	90.00	351.94	3,236 0	3,588.9	-508 4	3,624 7	0.00	0 00	0 00
"TD 215A" @ 6603' MD									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Land 215A - plan hits target center - Point	0 00	0.00	3,236 0	594 0	-84 1	2,138,889 46	152,814 87	36° 52' 20 156 N	107° 26' 12 989 W
BHL 215A - plan hits target center - Point	0 00	0 00	3,236 0	3,588 9	-508 4	2,141,889.41	152,427 85	36° 52' 49 768 N	107° 26' 18 211 W

Database:	EDM 5000 1 Single User Db	**Local Co-ordinate Reference:**	Well Rosa Unit 215A
Company:	WPXEnergy	**TVD Reference:**	WELL @ 6440.0usft (Original Well Elev)
Project:	Rio Arriba Co., NM	**MD Reference:**	WELL @ 6440 0usft (Original Well Elev)
Site:	Sec 26 T31N R06W	**North Reference:**	True
Well:	Rosa Unit 215A	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	ST01		
Design:	Design #1		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,615 0	2,615.0	Kirtland		0 00	
3,027 1	3,000 0	Fruitland		0 00	
3,543.8	3,235 0	Top Target		0 00	

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
2,636.0	2,636 0	0 0	0 0	KOP 9.55°/100' @ 2636' MD
3,578 5	3,236.0	594 0	-84 1	"Land 215A" 90° @ 3578' MD
6,603.2	3,236 0	3,588 9	-508 4	"TD 215A" @ 6603' MD