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Form 3160-5
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAY 02 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.*

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other	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
	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 26, 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
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☒ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ 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.)

WPX Energy wishes to modify our 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. This revised plan lowers the kick off point for the proposed horizontal lateral.

Hold C104 for Directional Survey and "As Drilled" plat

Hold C104
for Directional Survey
and "As Drilled" plat

RCVD MAY 7 '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 05/02/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason — Title — Date MAY 04 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

WPXENERGY

WPX Energy Production

Operations Plan

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

DATE:	5/01/2012		
WELLNAME:	Rosa Unit #215-A	**FIELD:**	Basin Fruitland Coal
BH LOCATION:	SWNW Sec. 23-T31N-6W Rio Arriba, NM	**SURFACE:**	BLM
ELEVATION:	6,428' GR	**MINERALS:**	Federal
TOTAL DEPTH:	6,626'	**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	3,020
Top Target Coal		3,235	3,514
Bottom Target Coal		3,248	
Picture Cliffs		3,296	
TD		3,236	**6,626**

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 +/- 2,695' inside 7" casing for 10.49 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'- 6,626'	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

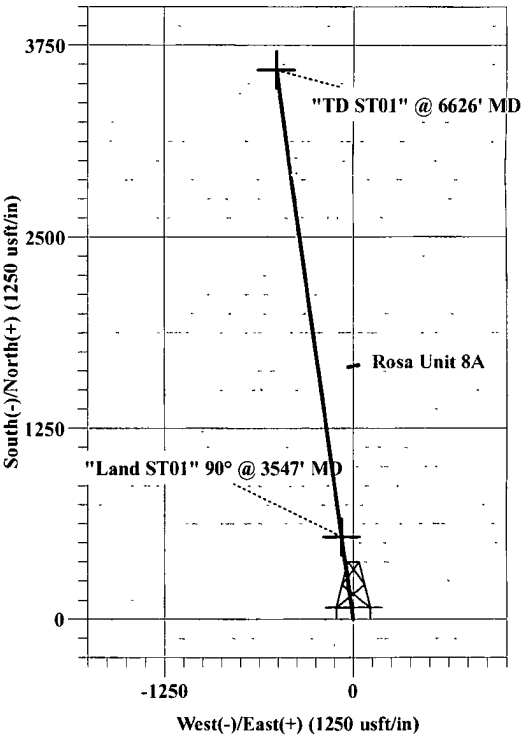
GE: 6428'/ KB: 12'

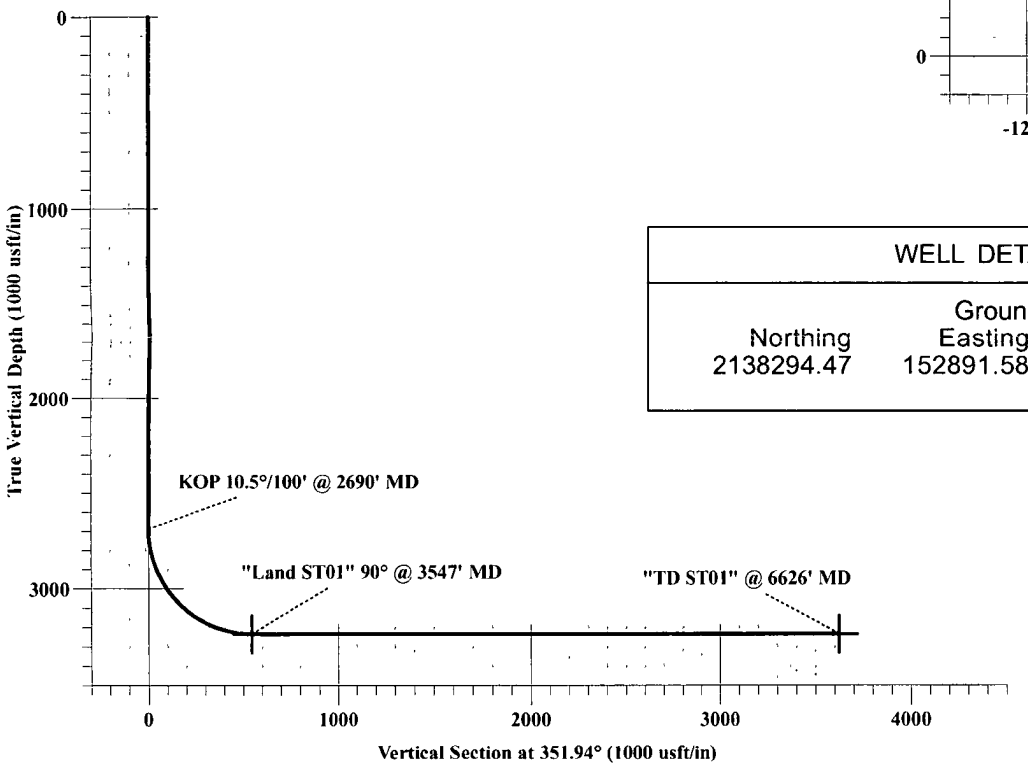
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

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	540 6	-76 6	2138835.98	152821.70	Point

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2615.0	2615.0	Kirtland
3000.0	3019.7	Fruitland
3235.0	3514.6	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	
2690.0	0 00	0.00	2690.0	0.0	0.0	0.00	0.00	0.0	
3547.7	90.00	351.94	3236.0	540.6	-76 6	10.49	351.94	546.0	
6626.4	90.00	351.94	3236.0	3588 9	-508.4	0.00	0.00	3624.7	BHL 215A

Plan: Design #2 (Rosa Unit 215A/ST01)

Created By: Breck Enoch Date: 30-Apr-2012

WPXENERGY

WPXEnergy

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

ST01

Plan: Design #2

Standard Planning Report

30 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 #2		

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	04/11/12	9 67	63.62	50,771

Design Design #2

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	
2,690 0	0 00	0 00	2,690 0	0 0	0 0	0 00	0 00	0 00	0 00	
3,547 7	90 00	351 94	3,236 0	540 6	-76 6	10 49	10 49	0 00	351 94	
6,626 4	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 #2		

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									
2,690 0	0 00	0 00	2,690 0	0 0	0 0	0 0	0 00	0 00	0 00
KOP 10.5°/100' @ 2690' MD									
2,700 0	1 05	351 94	2,700 0	0 1	0 0	0 1	10 49	10 49	0.00
2,750 0	6 30	351 94	2,749 9	3 3	-0 5	3 3	10 49	10 49	0 00
2,800 0	11 54	351 94	2,799 3	10 9	-1 5	11 0	10 49	10 49	0 00
2,850 0	16 79	351 94	2,847 7	23 0	-3.3	23 3	10 49	10 49	0.00
2,900 0	22 04	351 94	2,894 9	39 5	-5 6	39 9	10 49	10 49	0.00
2,950 0	27 28	351 94	2,940.3	60 1	-8 5	60 7	10 49	10 49	0 00
3,000 0	32 53	351 94	2,983 6	84.8	-12 0	85 7	10 49	10 49	0 00
3,019 7	34 59	351 94	3,000 0	95 6	-13 5	96 5	10 49	10 49	0 00
Fruitland									
3,050 0	37 78	351 94	3,024 5	113 3	-16 1	114.4	10 49	10 49	0 00
3,100 0	43 02	351 94	3,062 5	145 4	-20 6	146 8	10 49	10 49	0 00
3,150 0	48 27	351 94	3,097 5	180.8	-25 6	182 6	10 49	10 49	0.00
3,200 0	53 52	351 94	3,129 0	219 2	-31 0	221 4	10 49	10.49	0.00
3,250 0	58 76	351 94	3,156 9	260 3	-36 9	262 9	10 49	10 49	0 00
3,300 0	64 01	351 94	3,180 8	303 7	-43.0	306 8	10 49	10 49	0 00
3,350 0	69 26	351.94	3,200 6	349 1	-49 5	352 6	10 49	10.49	0 00
3,400 0	74 51	351 94	3,216.2	396.2	-56 1	400 1	10 49	10 49	0 00
3,450 0	79 75	351 94	3,227 3	444 4	-63 0	448 9	10 49	10 49	0 00
3,500 0	85 00	351 94	3,233 9	493 5	-69.9	498 4	10.49	10.49	0 00
3,514 6	86.53	351 94	3,235 0	507 9	-71 9	513 0	10.49	10 49	0.00
Top Target									
3,547 7	90 00	351 94	3,236 0	540 6	-76 6	546 0	10 49	10 49	0 00
"Land ST01" 90° @ 3547' MD									

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 #2		

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)
3,600 0	90 00	351 94	3,236.0	592 4	-83 9	598 3	0 00	0 00	0 00
3,700 0	90 00	351 94	3,236 0	691.4	-97 9	698 3	0 00	0 00	0 00
3,800 0	90 00	351 94	3,236 0	790 5	-112 0	798 3	0 00	0 00	0.00
3,900.0	90 00	351 94	3,236 0	889 5	-126 0	898.3	0 00	0.00	0 00
4,000 0	90 00	351 94	3,236 0	988 5	-140 0	998 3	0 00	0.00	0 00
4,100 0	90 00	351 94	3,236 0	1,087 5	-154 0	1,098 3	0 00	0 00	0.00
4,200 0	90 00	351.94	3,236 0	1,186.5	-168 1	1,198 3	0.00	0 00	0 00
4,300 0	90 00	351 94	3,236 0	1,285 5	-182 1	1,298 3	0 00	0.00	0 00
4,400 0	90 00	351 94	3,236.0	1,384 5	-196 1	1,398 3	0 00	0.00	0 00
4,500 0	90.00	351 94	3,236 0	1,483.5	-210 1	1,498 3	0 00	0.00	0 00
4,600 0	90 00	351 94	3,236.0	1,582 5	-224.2	1,598 3	0 00	0 00	0 00
4,700 0	90 00	351 94	3,236 0	1,681.6	-238 2	1,698 3	0 00	0.00	0 00
4,800 0	90 00	351 94	3,236 0	1,780 6	-252 2	1,798.3	0 00	0 00	0 00
4,900 0	90 00	351 94	3,236 0	1,879 6	-266 2	1,898 3	0 00	0 00	0 00
5,000 0	90.00	351 94	3,236 0	1,978 6	-280 3	1,998.3	0 00	0.00	0.00
5,100.0	90 00	351 94	3,236 0	2,077 6	-294 3	2,098.3	0 00	0 00	0 00
5,200 0	90 00	351.94	3,236 0	2,176 6	-308 3	2,198 3	0 00	0 00	0 00
5,300 0	90.00	351 94	3,236 0	2,275 6	-322 3	2,298 3	0 00	0 00	0 00
5,400.0	90 00	351 94	3,236 0	2,374 6	-336 4	2,398 3	0 00	0.00	0 00
5,500 0	90 00	351 94	3,236 0	2,473 7	-350 4	2,498.3	0 00	0 00	0 00
5,600 0	90 00	351 94	3,236 0	2,572 7	-364 4	2,598.3	0 00	0 00	0 00
5,700 0	90 00	351 94	3,236 0	2,671 7	-378 4	2,698 3	0 00	0 00	0 00
5,800 0	90 00	351.94	3,236 0	2,770 7	-392 5	2,798 3	0 00	0.00	0 00
5,900 0	90 00	351 94	3,236 0	2,869 7	-406 5	2,898 3	0 00	0 00	0 00
6,000 0	90 00	351 94	3,236 0	2,968 7	-420 5	2,998 3	0 00	0 00	0 00
6,100 0	90 00	351 94	3,236 0	3,067 7	-434 5	3,098 3	0.00	0 00	0 00
6,200 0	90 00	351 94	3,236 0	3,166 7	-448 6	3,198 3	0 00	0 00	0 00
6,300 0	90 00	351 94	3,236 0	3,265 7	-462 6	3,298.3	0 00	0 00	0 00
6,400 0	90 00	351 94	3,236 0	3,364 8	-476.6	3,398.3	0 00	0 00	0 00
6,500 0	90 00	351 94	3,236 0	3,463 8	-490 6	3,498 3	0 00	0.00	0 00
6,600.0	90 00	351 94	3,236 0	3,562 8	-504 7	3,598 3	0 00	0 00	0 00
6,626 4	90 00	351 94	3,236 0	3 588 9	-508.4	3,624.7	0 00	0 00	0 00
"TD ST01" @ 6626' 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	540 6	-76 6	2,138,835 98	152,821 71	36° 52' 19 628 N	107° 26' 12 897 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 #2		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,615 0	2,615 0	Kirtland		0 00	
3,019 7	3,000 0	Fruitland		0 00	
3,514 6	3,235 0	Top Target		0 00	

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
2,690 0	2,690 0	0 0	0 0	KOP 10 5°/100' @ 2690' MD
3,547 7	3,236 0	540 6	-76 6	"Land ST01" 90° @ 3547' MD
6,626 4	3,236 0	3,588 9	-508 4	"TD ST01" @ 6626' MD