RECEIVED

OCT 17 2011

Farmington Field Office
Bureau of Land Management

Form 3160-5
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
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-078766 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 #256A
2. Name of Operator Williams Production Company, LLC	9 API Well No. 30-039-27652
3a. Address PO Box 640 Aztec, NM 87410 3b. Phone No. *(include area code)* 505-333-1806	10. Field and Pool or Exploratory Area Basin Fruitland Coal
4 Location of Well *(Footage, Sec , T.,R ,M., or Survey Description)* Sur 1302' FNL & 1586' FWL, BHL: 50' FNL & 50' FEL, sec 25, T31N, R6W	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			
☒ 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 SHL C-102
	☐ 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. In addition 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.

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

RCVD OCT 25 '11
OIL CONS. DIV.
DIST. 3

14 I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)* Ben Mitchell
Title Regulatory Specialist
Signature B Mitchell
Date 10/17/11

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Troy L Salyers
Title Petroleum Eng.
Date 10/19/2011
Office FFO

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.

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 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

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

RECEIVED
OCT 17 2011
Farmington Field Office
Bureau of Land Management

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-039-27652	71629	BASIN FRUITLAND COAL

[4] Property Code	[5] Property Name	[6] Well Number
17033	ROSA UNIT	256A

[7] OGRID No.	[8] Operator Name	[9] Elevation
120782	WILLIAMS PRODUCTION COMPANY	6401'

[10] Surface Location

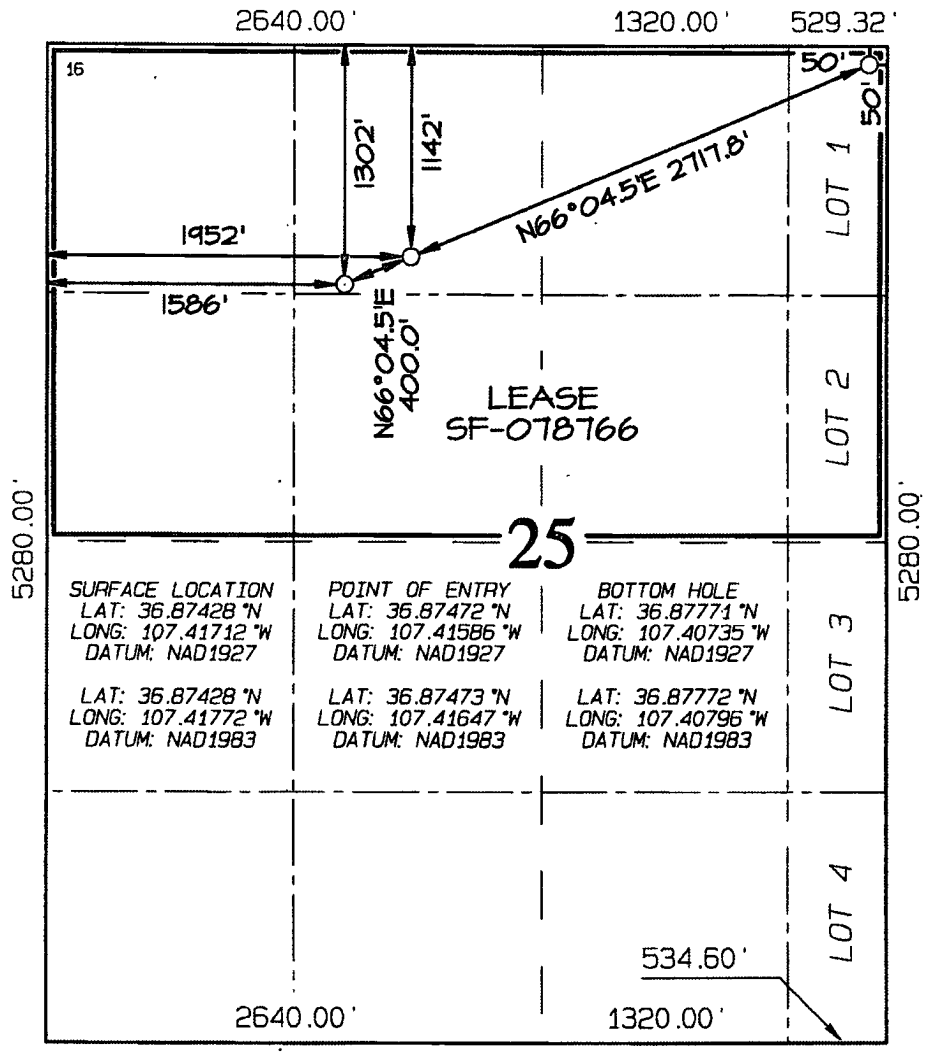
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	25	31N	6W		1302	NORTH	1586	WEST	RIO ARRIBA

[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
A	25	31N	6W		50	NORTH	50	EAST	RIO ARRIBA

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
272.16 Acres - N/2			SD-201132-O

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



[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: 10/17/2011

Ben Mitchell
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: SEPTEMBER 9, 2011
Survey Date: NOVEMBER 25, 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:	**10/13/2011**		
WELLNAME:	Rosa Unit #256A	**FIELD:**	Basin Fruitland Coal
BH LOCATION:	~~NW~~NE Sec. 25-T31N-6W Rio Arriba, NM	**SURFACE:**	BLM
ELEVATION:	6,401' GR	**MINERALS:**	BLM
TOTAL DEPTH:	**6,118'**	**LEASE #**	SF-078766
API#:	30-039-~~27818~~ 27652		

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

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

NAME		TVD	MD
Kirtland		2,614	2,614
Fruitland		2,989	3,006
Top Target Coal		3,211	3,501
Bottom Target Coal		3,225	
Picture Cliffs		3,234	
TD		3,211	**6,118**

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 2,712' inside 7" casing
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 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"	322'	9-5/8"	36# K-55
Intermediate	8-3/4"	3,078'	7"	20# K-55
Prod. Liner	6-1/4"	2,959'- 3,192'	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"	322'	9-5/8"	36# K-55
Intermediate	8-3/4"	3,078'	7"	20# K-55
Prod. Liner (motherbore)	6-1/4"	2,959'- 3,192'	5-1/2"	17# N-80
Prod. Liner (sidetrack)	6-1/4"	~2,725'-6,118'	4-1/2"	11.6# K-55

- Sidetrack production liner is pre-perforated below top of Fruitland formation 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 3,074' MD inside of motherbore.

R Mth for Brian Alleman

Brian Alleman
Drilling Engineer II

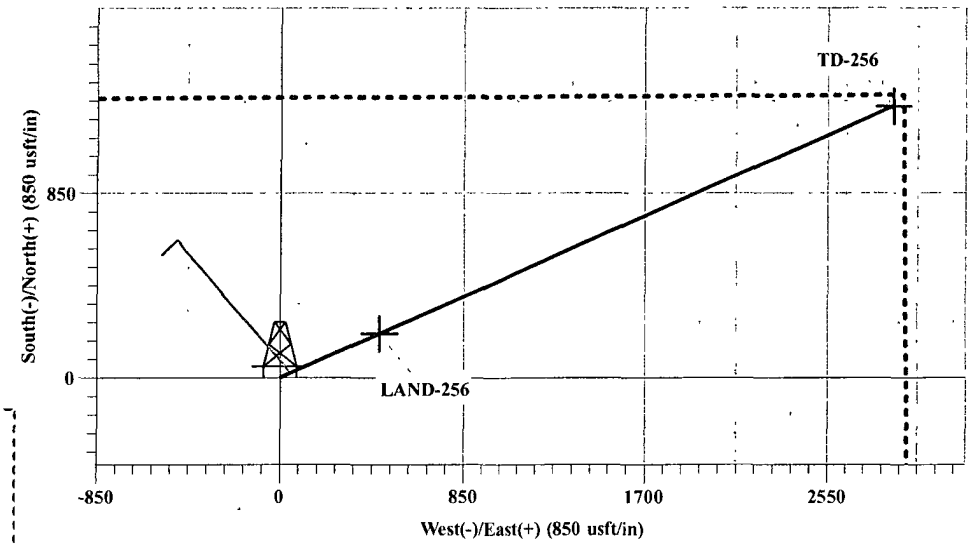
Williams Energy

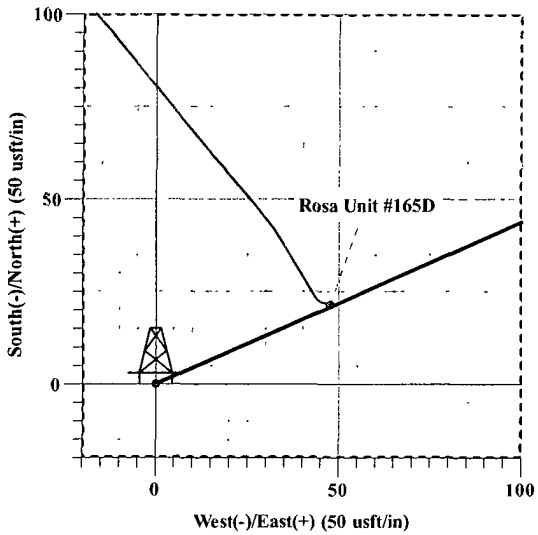
Rosa Unit #256A Stk
Sec25 T31N-R06W - 256A
Rio Arriba Co. NM
GL: 6401' KB: 14'

PATHFINDER®
A Schlumberger Company

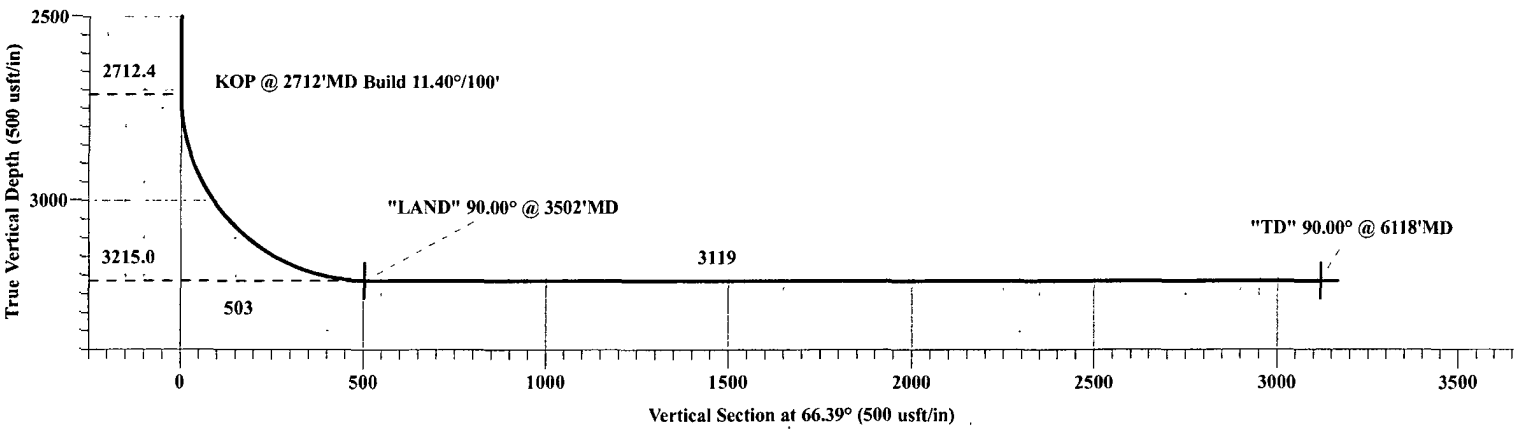
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
LAND-256	3215 0	201 3	460 5	2139747 08	159084 85	Point
TD-256	3215 0	1249 0	2857 9	2140765 39	161494 86	Point





WELL DETAILS: Rosa Unit #256A Stk			
		6401.0	
Northing	Easting	Latitude	Longitude
2139551 42	158621.93	36° 52' 27.408 N	107° 25' 1.632 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	
2712 4	0 00	0 00	2712 4	0 0	0 0	0 00	0.00	0 0	
3501 9	90 00	66 39	3215 0	201 3	460 5	11 40	66 39	502 6	
6118 2	90 00	66 39	3215 0	1249 0	2857 9	0.00	0 00	3118 9	TD-256

Plan: Design #1 (Rosa Unit #256A Stk/Wellbore #1)

Created By: Frank C. Scardino Date: 10/10/2011

Williams Energy

Rio Arriba Co. NM
Sec25 T31N-R06W - 256A
Rosa Unit #256A Stk

Wellbore #1

Plan: Design #1

Standard Planning Report

11 October, 2011

Database:	EDM 5000 1 Single User Db	**Local Co-ordinate Reference:**	Site Sec25 T31N-R06W - 256A
Company:	Williams Energy	**TVD Reference:**	WELL @ 6415 0usft (Original Well Elev)
Project:	Rio Arriba Co NM	**MD Reference:**	WELL @ 6415 0usft (Original Well Elev)
Site:	Sec25 T31N-R06W - 256A	**North Reference:**	True
Well:	Rosa Unit #256A Stk	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
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 Sec25 T31N-R06W - 256A

Site Position:		**Northing:**	2,139,551.42 usft	**Latitude:**	36° 52' 27 408 N
From:	Lat/Long	**Easting:**	158,621 93 usft	**Longitude:**	107° 25' 1.632 W
Position Uncertainty:	*0 0 usft*	***Slot Radius:***	13-3/16 "	***Grid Convergence:***	-0 70 °

Well Rosa Unit #256A Stk

Well Position	**+N/-S**	0 0 usft	**Northing:**	2,139,551 42 usft	**Latitude:**	36° 52' 27 408 N
	+E/-W	0 0 usft	**Easting:**	158,621 93 usft	**Longitude:**	107° 25' 1 632 W
Position Uncertainty		0 0 usft	**Wellhead Elevation:**		**Ground Level:**	6,401 0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/10/11	9 73	63 63	50,826

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	66 39

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	
2,712 4	0 00	0 00	2,712 4	0 0	0 0	0 00	0 00	0 00	0 00	
3,501 9	90 00	66 39	3,215 0	201 3	460 5	11 40	11 40	0 00	66 39	
6,118 2	90 00	66 39	3,215 0	1,249 0	2,857 9	0 00	0 00	0 00	0 00	TD-256

Database:	EDM 5000 1 Single User Db	**Local Co-ordinate Reference:**	Site Sec25 T31N-R06W - 256A
Company:	Williams Energy	**TVD Reference:**	WELL @ 6415 0usft (Original Well Elev)
Project:	Rio Arriba Co NM	**MD Reference:**	WELL @ 6415 0usft (Original Well Elev)
Site:	Sec25 T31N-R06W - 256A	**North Reference:**	True
Well:	Rosa Unit #256A Stk	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
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)
2,712 4	0 00	0.00	2,712.4	0 0	0 0	0 0	0 00	0 00	0 00
KOP @ 2712'MD Build 11.40°/100'									
2,750 0	4 29	66 39	2,750 0	0.6	1 3	1 4	11 40	11 40	0 00
2,800 0	9 99	66 39	2,799 6	3 0	7 0	7 6	11 40	11.40	0.00
2,850 0	15 69	66 39	2,848 3	7 5	17 2	18 7	11 40	11 40	0 00
2,900 0	21 39	66 39	2,895 7	13 9	31 7	34.6	11 40	11 40	0 00
2,950 0	27.09	66 39	2,941.2	22 1	50 5	55 1	11 40	11 40	0 00
3,000 0	32 79	66 39	2,984 6	32 1	73.4	80 1	11 40	11 40	0 00
3,050 0	38.49	66 39	3,025.2	43 7	100 0	109 2	11 40	11 40	0.00
3,100 0	44 19	66 39	3,062.7	56 9	130 3	142 2	11 40	11 40	0 00
3,150 0	49 89	66 39	3,096 8	71 6	163 8	178.8	11.40	11 40	0 00
3,200 0	55 59	66 39	3,127 0	87 5	200 3	218 5	11 40	11 40	0 00
3,250 0	61 29	66 39	3,153 2	104 6	239 3	261 1	11 40	11 40	0 00
3,300 0	66 99	66 39	3,175 0	122 6	280 5	306 1	11 40	11 40	0 00
3,350 0	72 69	66 39	3,192 2	141 4	323 5	353 0	11 40	11 40	0 00
3,400 0	78.39	66 39	3,204 7	160 7	367 8	401.4	11 40	11 40	0 00
3,450 0	84.09	66 39	3,212 3	180.5	413 1	450 8	11 40	11 40	0 00
3,501 9	90 00	66 39	3,215 0	201 3	460 5	502 6	11 40	11 40	0 00
"LAND" 90.00° @ 3502'MD									
3,600 0	90 00	66 39	3,215 0	240 6	550 4	600 7	0 00	0 00	0 00
3,700 0	90 00	66 39	3,215.0	280 6	642 1	700 7	0 00	0.00	0 00
3,800 0	90 00	66 39	3,215 0	320 7	733 7	800 7	0 00	0 00	0 00
3,900 0	90 00	66 39	3,215 0	360 7	825 3	900 7	0 00	0 00	0 00
4,000 0	90 00	66 39	3,215 0	400 7	917 0	1,000 7	0 00	0 00	0 00
4,100 0	90 00	66 39	3,215 0	440 8	1,008 6	1,100 7	0 00	0 00	0 00
4,200.0	90 00	66 39	3,215 0	480 8	1,100 2	1,200 7	0 00	0.00	0 00
4,300.0	90 00	66 39	3,215 0	520 9	1,191 9	1,300 7	0 00	0 00	0.00
4,400 0	90 00	66 39	3,215 0	560 9	1,283 5	1,400 7	0 00	0 00	0 00
4,500 0	90 00	66 39	3,215 0	601 0	1,375 1	1,500 7	0 00	0 00	0 00
4,600 0	90 00	66 39	3,215 0	641 0	1,466 8	1,600 7	0 00	0 00	0 00
4,700 0	90 00	66 39	3,215 0	681.1	1,558 4	1,700 7	0 00	0 00	0 00
4,800 0	90 00	66 39	3,215 0	721 1	1,650 0	1,800 7	0 00	0.00	0 00
4,900 0	90 00	66 39	3,215 0	761 2	1,741 7	1,900 7	0 00	0 00	0 00
5,000 0	90 00	66 39	3,215 0	801 2	1,833 3	2,000.7	0 00	0 00	0 00
5,100 0	90 00	66 39	3,215 0	841 3	1,924 9	2,100.7	0 00	0 00	0 00
5,200 0	90 00	66 39	3,215 0	881 3	2,016 5	2,200 7	0 00	0 00	0 00
5,300 0	90 00	66 39	3,215 0	921 3	2,108 2	2,300 7	0 00	0 00	0 00
5,400 0	90 00	66 39	3,215 0	961 4	2,199 8	2,400 7	0 00	0.00	0 00
5,500.0	90 00	66 39	3,215 0	1,001 4	2,291 4	2,500 7	0 00	0 00	0 00
5,600 0	90 00	66 39	3,215 0	1,041 5	2,383 1	2,600 7	0 00	0 00	0 00
5,700 0	90 00	66 39	3,215 0	1,081 5	2,474 7	2,700 7	0 00	0 00	0 00
5,800 0	90 00	66 39	3,215 0	1,121 6	2,566 3	2,800 7	0 00	0 00	0 00
5,900 0	90 00	66 39	3,215 0	1,161.6	2,658 0	2,900 7	0 00	0 00	0 00
6,000 0	90 00	66 39	3,215 0	1,201 7	2,749 6	3,000 7	0 00	0 00	0 00
6,100 0	90.00	66 39	3,215 0	1,241.7	2,841 2	3,100 7	0 00	0 00	0.00
6,118 2	90.00	66 39	3,215 0	1,249 0	2,857 9	3,118.9	0 00	0 00	0 00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Site Sec25 T31N-R06W - 256A
Company:	Williams Energy	**TVD Reference:**	WELL @ 6415.0usft (Original Well Elev)
Project:	Rio Arriba Co NM	**MD Reference:**	WELL @ 6415.0usft (Original Well Elev)
Site:	Sec25 T31N-R06W - 256A	**North Reference:**	True
Well:	Rosa Unit #256A Stk	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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
TD-256 - plan hits target center - Point	0 00	0.00	3,215 0	1,249 0	2,857.9	2,140,765 38	161,494 87	36° 52' 39 756 N	107° 24' 26 460 W
LAND-256 - plan hits target center - Point	0 00	0 00	3,215.0	201 3	460 5	2,139,747 08	159,084 86	36° 52' 29.398 N	107° 24' 55.965 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
2,712 4	2,712.4	0.0	0.0	KOP @ 2712'MD Build 11 40°/100'
3,501 9	3,215 0	201 3	460 5	"LAND" 90 00° @ 3502'MD
6,118 2	3,215 0	1,249 0	2,857 9	"TD" 90.00° @ 6118'MD