

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

OCT 28 2011

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
2. Name of Operator Williams Production Company, LLC		6. If Indian, Allottee or Tribe Name
3a. Address PO Box 640 Aztec, NM 87410	3b. Phone No. (include area code) 505-333-1808	7. If Unit of CA/Agreement, Name and/or No Rosa Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sur 1572' FSL & 1327' FWL – BHL 850' FNL & 2481' FWL, Sec 22, T31N, R6W		8. Well Name and No. Rosa Unit #332
		9. API Well No. 30-039-24929
		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			
☒ 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 / sidetrack	☐ 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 recompleat 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 recompleat 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.)

Due to problems encountered while drilling the horizontal section of this well, Williams intends to plug back and redrill the horizontal portion of this well as per attached procedure. This was given verbal approval on October 25th by Troy Salyers, BLM and Charlie Perrin, NMOCD.

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

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Larry Higgins	Title Permit Supervisor
Signature <i>Larry Higgins</i>	Date 10/28/11

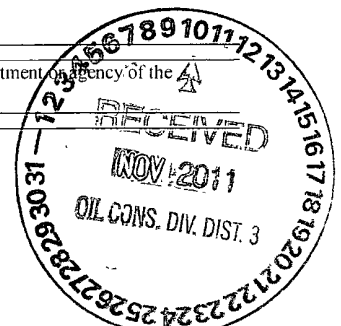
THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by <i>Troy L. Salyers</i>	Title PE	Date 11/4/2011
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

(Instructions on page 2)

NMOCD





Rosa Unit 332

Plug Back and Re-Sidetrack

API: 30-039-24929

SHL: NE/4 SW/4 Sec 22 T31N R6W

BHL: NE/4 NW/4 Sec 22 T31N R6W

Rio Arriba County, NM

Background

The Rosa Unit #332 is a vertical well producing from a hydraulically fractured completion in the Fruitland Coal. Williams has re-entered this wellbore and is sidetracking it to drill a ~2,500' lateral in the Fruitland Coal. This was done by setting a whipstock at 2,593' MD. A window was cut in the 7" casing and the curve drilled to 3,472' MD/3,083' TVD. At the time it was projected that the inclination at the bit was approximately 86°. However, once the near-bit inclination sensor was placed in the hole it was discovered that the well had only 83° of inclination. An attempt was made to increase the inclination to 90°. Due to the nature of the coal this effort was not successful and the bit dropped out of the target zone. Once it was in the zone below the target large fluctuations in bottom hole circulating pressure were observed and the hole became unstable. Therefore, Williams proposes the following operations to allow this well to be successfully drilled.

Operations:

1. POOH to top of coal (3,382' MD/3,074' TVD)
2. Circulate hole clean
3. POOH & LD directional tools
4. PU 20 jts 2-3/8" tbg as tailpipe
5. TIH w/drill pipe to 3,456' MD
6. Set balanced cmt kickoff plug as follows:
 - a. 10 bbl fresh water
 - b. 130 sacks type G cmt (0.99 ft³/sk, 17 ppg) 130 ft³, 23 bbls
 - c. 19.25 bbl fresh water
 - d. Estimated top of plug is 2,852' MD w/ 20% excess
7. POOH to above top of cmt
8. Circulate long way with rig pump to ensure drill pipe is clear of cement

9. WOC 24 hours
10. PU directional tools & TIH
11. Time drill off of plug until samples read 100% formation for 10'
12. Build curve and land at 3,547' MD/3,078' TVD and 705' VS
13. Drill lateral to permitted BHL

Attachments:

1. Surveys_Rosa Unit 332-ST01_25-Oct-11_0600.pdf surveys showing original wellpath
2. Williams Rosa Unit #332 Stk plug back.pdf newly formulated directional plan report showing new landing point

Brian Alleman

Drilling Engineer II

Brian.Alleman@Williams.com

Office (918)573-2434

Cell (719)330-1052

PathFinder Energy Services, Inc.

Survey Report

WILLIAMS PRODUCTION COMPANY
 ROSA UNIT 332 ST01
 RIO ARriba COUNTY, NM
 Rig:AZTEC 781
 PathFinder Office Supervisor: TOM SCHMIDT
 PathFinder Field Engineers: S. ROBERTSON
 D. BAKER
 M. DUTTON

Survey Calculations by RX5 V6.04 using Minimum Curvature

Survey Horiz. Reference:WELLHEAD
 Ref Coordinates: LAT:36.52.55.6313 N LON:107.27.14.4720 W
 GRID Reference:NAD27 new mexico central Transverse Mercator
 Ref GRID Coord: X: 147864.3724 Y: 2142539.6971
 North Aligned To:TRUE NORTH
 Total Magnetic Correction: 9.74°EAST TO TRUE
 Vertical Section Plane: 22.33
 Survey Vert. Reference: 14.00' Rotary Table To Ground
 Altitude:6238.00' Ground To MSL

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
TIED INTO GYRODATA GYRO SURVEY AT 2400'MD										
2400.00	1.14	351.08	2399.79	0.00	25.83	28.20 N	0.67 W	28.21@	358.64	0.00
INTERPOLATED SURVEY TO TOP OF WINDOW AT 2574'MD										
2574.00	1.54	343.80	2573.74	174.00	29.14	32.16 N	1.59 W	32.19@	357.17	0.25
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
2709.00	19.08	63.12	2706.21	135.00	47.43	43.98 N	17.76 E	47.43@	21.99	13.97
2742.00	24.36	53.05	2736.86	33.00	57.37	50.52 N	28.02 E	57.77@	29.02	19.53
2774.00	28.58	46.35	2765.51	32.00	70.05	59.77 N	38.84 E	71.28@	33.01	16.14
2805.00	32.62	39.24	2792.20	31.00	84.83	71.37 N	49.50 E	86.86@	34.74	17.48
2837.00	36.76	35.16	2818.50	32.00	102.42	85.89 N	60.47 E	105.04@	35.15	14.83
2869.00	40.19	30.07	2843.56	32.00	122.00	102.66 N	71.17 E	124.92@	34.73	14.58
2901.00	42.56	24.84	2867.58	32.00	143.05	121.43 N	80.89 E	145.90@	33.67	13.09
2932.00	46.25	19.87	2889.73	31.00	164.73	141.48 N	89.11 E	167.20@	32.20	16.35
2964.00	50.03	17.01	2911.08	32.00	188.50	164.09 N	96.63 E	190.43@	30.49	13.56
2996.00	53.55	15.54	2930.87	32.00	213.49	188.22 N	103.66 E	214.88@	28.84	11.58
3028.00	55.40	15.88	2949.46	32.00	239.36	213.29 N	110.72 E	240.32@	27.43	5.85
3060.00	56.98	17.47	2967.27	32.00	265.82	238.76 N	118.35 E	266.48@	26.37	6.44
3092.00	60.15	19.59	2983.96	32.00	293.06	264.64 N	127.03 E	293.55@	25.64	11.41
3124.00	62.26	20.68	2999.37	32.00	321.08	290.97 N	136.69 E	321.47@	25.16	7.24
3156.00	65.42	21.11	3013.48	32.00	349.79	317.79 N	146.93 E	350.12@	24.81	9.95
3188.00	68.85	21.35	3025.91	32.00	379.26	345.27 N	157.61 E	379.54@	24.54	10.74
3220.00	70.87	22.23	3036.93	32.00	409.30	373.17 N	168.76 E	409.55@	24.33	6.82
3253.00	72.19	21.37	3047.38	33.00	440.60	402.23 N	180.38 E	440.83@	24.15	4.70
3285.00	75.18	19.84	3056.37	32.00	471.29	430.97 N	191.19 E	471.48@	23.92	10.41
3317.00	78.96	18.82	3063.53	32.00	502.43	460.40 N	201.51 E	502.57@	23.64	12.21
3348.00	80.64	18.36	3069.02	31.00	532.88	489.32 N	211.23 E	532.96@	23.35	5.61

PathFinder Energy Services, Inc.

Survey Report

WILLIAMS PRODUCTION COMPANY
 ROSA UNIT 332 ST01
 RIO ARriba COUNTY, NM
 RIG:AZTEC 781

Page 02/02

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
3380.00	82.31	18.53	3073.76	32.00	564.45	519.34 N	221.24 E	564.50@	23.07	5.24
3411.00	83.19	19.81	3077.68	31.00	595.16	548.38 N	231.34 E	595.18@	22.87	4.98
PROJECTION TO BIT DEPTH @3472'MD.										
3472.00	86.00	18.53	3083.42	61.00	655.78	605.74 N	251.28 E	655.79@	22.53	5.06



Williams Energy

Rosa Unit #332 STK
Sec22 T31N-R06W - #332
Rio Arriba Co. NM
GL: 6238' KB: 14'



A Schlumberger Company

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

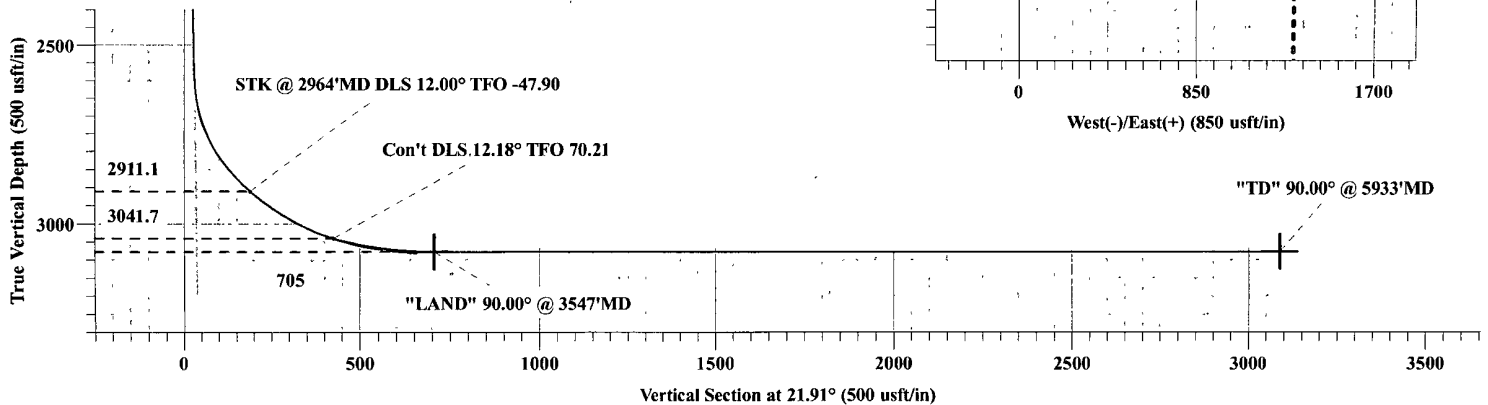
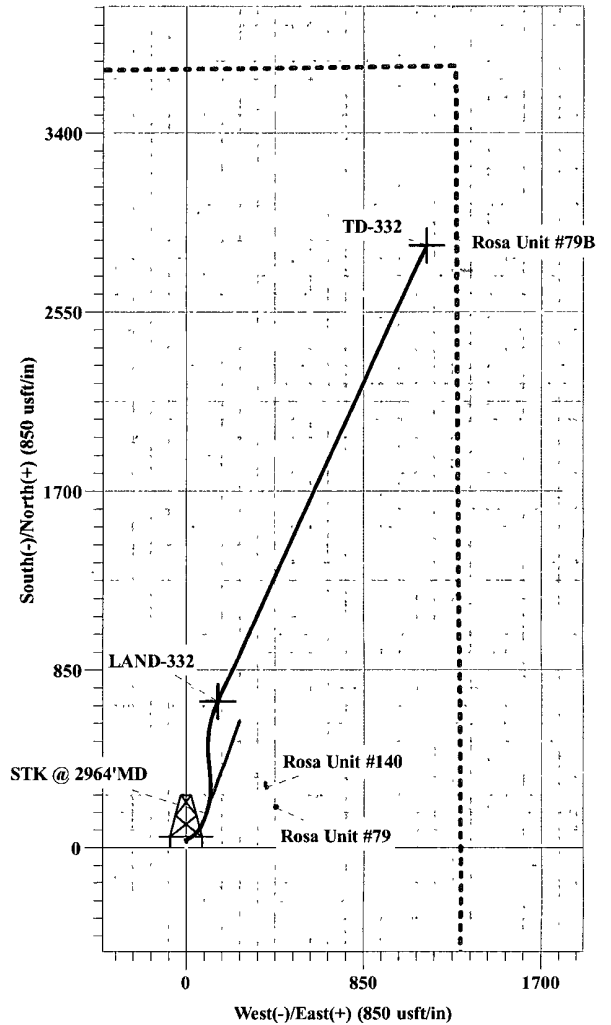
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
LAND-332	3078.0	700.0	150.0	2143237.82	148023.19	Point
TD-332	3078.0	2865.5	1152.3	2145390.48	149052.77	Point

LEGEND

- Rosa Unit #332 STK, STK, STK V0
- ⊕ Rosa Unit #332 STK, Wellbore #1, Wellbore #1 V0
- △ Rosa Unit #79, Wellbore #1, Wellbore #1 V0
- ⊙ Rosa Unit #79B, Wellbore #1, Wellbore #1 V0
- ✕ Rosa Unit #140, Wellbore #1, Wellbore #1 V0
- Design #5

WELL DETAILS: Rosa Unit #332 STK

Northing	Easting	6238.0	Latitude	Longitude
2142539.77	147864.38	36° 52' 55.632 N	107° 27' 14.472 W	



SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
2964.0	50.03	17.01	2911.1	164.1	96.6	0.00	0.00	188.3	
3251.7	76.23	351.35	3041.7	415.3	108.2	12.00	-47.90	425.7	
3546.5	90.00	24.84	3078.0	700.0	150.0	12.18	70.21	705.4	LAND-332
5932.7	90.00	24.84	3078.0	2865.5	1152.3	0.00	0.00	3088.5	

Plan: Design #5 (Rosa Unit #332 STK/STK-2)

Created By: Frank C. Scardino

Date: 10/25/2011

Williams Energy

Rio Arriba Co. NM

Sec22 T31N-R06W - #332

Rosa Unit #332 STK

STK-2

Plan: Design #5

Standard Planning Report

25 October, 2011

Planning Report

Database:	EDM 5000 1 Single User Db	Local Co-ordinate Reference:	Site Sec22 T31N-R06W - #332
Company:	Williams Energy	TVD Reference:	WELL @ 6252 0usft (Original Well Elev)
Project:	Rio Arriba Co NM	MD Reference:	WELL @ 6252 0usft (Original Well Elev)
Site:	Sec22 T31N-R06W - #332	North Reference:	True
Well:	Rosa Unit #332 STK	Survey Calculation Method:	Minimum Curvature
Wellbore:	STK-2		
Design:	Design #5		

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:	Sec22 T31N-R06W - #332		
Site Position:		Northing:	2,142,539.76 usft
From:	Lat/Long	Easting:	147,864.38 usft
Position Uncertainty:	0 0 usft	Slot Radius:	13-3/16 "
		Latitude:	36° 52' 55.632 N
		Longitude:	107° 27' 14.472 W
		Grid Convergence:	-0.72 °

Well:	Rosa Unit #332 STK					
Well Position	+N/-S	0 0 usft	Northing:	2,142,539.76 usft	Latitude:	36° 52' 55.632 N
	+E/-W	0 0 usft	Easting:	147,864.38 usft	Longitude:	107° 27' 14.472 W
Position Uncertainty	0 0 usft	Wellhead Elevation:	Ground Level:			6,238.0 usft

Wellbore	STK-2				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/25/11	9.74	63.63	50,823

Design:	Design #5				
Audit Notes:					
Version:	Phase:	PROTOTYPE		Tie On Depth:	2,964.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	21.91	

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	
2,964.0	50.03	17.01	2,911.1	164.1	96.6	0.00	0.00	0.00	0.00	
3,251.7	76.23	351.35	3,041.7	415.3	108.2	12.00	9.11	-8.92	-47.90	
3,546.5	90.00	24.84	3,078.0	700.0	150.0	12.18	4.67	11.36	70.21	LAND-332
5,932.7	90.00	24.84	3,078.0	2,865.5	1,152.3	0.00	0.00	0.00	0.00	

Planning Report

Database: EDM 5000.1 Single User Db
 Company: Williams Energy
 Project: Rio Arriba Co NM
 Site: Sec22 T31N-R06W - #332
 Well: Rosa Unit #332 STK
 Wellbore: STK-2
 Design: Design #5

Local Co-ordinate Reference: Site Sec22 T31N-R06W - #332
 TVD Reference: WELL @ 6252 0usft (Original Well Elev)
 MD Reference: WELL @ 6252 0usft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

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)
2,964.0	50.03	17.01	2,911.1	164.1	96.6	188.3	13.56	11.81	-8.94
STK @ 2964' MD DLS 12.00° TFO -47.90									
2,975.0	50.92	15.75	2,918.1	172.2	99.0	196.7	12.00	8.11	-11.47
3,000.0	53.00	13.00	2,933.5	191.3	103.9	216.3	12.00	8.30	-11.01
3,025.0	55.13	10.39	2,948.2	211.1	108.0	236.2	12.00	8.54	-10.41
3,050.0	57.32	7.92	2,962.1	231.6	111.3	256.4	12.00	8.75	-9.88
3,075.0	59.55	5.57	2,975.2	252.8	113.8	277.0	12.00	8.94	-9.40
3,100.0	61.83	3.33	2,987.4	274.5	115.5	297.8	12.00	9.10	-8.98
3,125.0	64.14	1.18	2,998.7	296.8	116.4	318.7	12.00	9.24	-8.60
3,150.0	66.48	359.11	3,009.2	319.5	116.4	339.8	12.00	9.36	-8.27
3,175.0	68.84	357.12	3,018.7	342.6	115.6	361.0	12.00	9.46	-7.98
3,200.0	71.23	355.19	3,027.2	366.0	114.1	382.2	12.00	9.55	-7.73
3,225.0	73.64	353.31	3,034.8	389.7	111.7	403.3	12.00	9.63	-7.51
3,251.7	76.23	351.35	3,041.7	415.3	108.2	425.7	12.00	9.70	-7.32
Con't DLS 12.18° TFO 70.21									
3,275.0	77.21	354.09	3,047.1	437.8	105.4	445.5	12.18	4.19	11.75
3,300.0	78.28	357.00	3,052.4	462.1	103.5	467.4	12.18	4.31	11.65
3,325.0	79.39	359.89	3,057.2	486.6	102.8	489.9	12.18	4.43	11.56
3,350.0	80.52	2.76	3,061.6	511.3	103.4	512.9	12.18	4.53	11.48
3,375.0	81.68	5.61	3,065.4	535.9	105.2	536.4	12.18	4.62	11.40
3,400.0	82.86	8.45	3,068.8	560.5	108.2	560.4	12.18	4.71	11.33
3,425.0	84.05	11.26	3,071.7	584.9	112.5	584.7	12.18	4.77	11.27
3,450.0	85.26	14.07	3,074.0	609.2	117.9	609.2	12.18	4.83	11.23
3,475.0	86.48	16.87	3,075.8	633.2	124.6	634.0	12.18	4.88	11.19
3,500.0	87.70	19.66	3,077.1	657.0	132.4	658.9	12.18	4.91	11.16
3,525.0	88.94	22.44	3,077.8	680.3	141.4	683.9	12.18	4.93	11.14
3,546.5	90.00	24.84	3,078.0	700.0	150.0	705.4	12.18	4.94	11.13
"LAND" 90.00° @ 3547' MD									
3,600.0	90.00	24.84	3,078.0	748.5	172.5	758.8	0.00	0.00	0.00
3,700.0	90.00	24.84	3,078.0	839.3	214.5	858.7	0.00	0.00	0.00
3,800.0	90.00	24.84	3,078.0	930.0	256.5	958.5	0.00	0.00	0.00
3,900.0	90.00	24.84	3,078.0	1,020.8	298.5	1,058.4	0.00	0.00	0.00
4,000.0	90.00	24.84	3,078.0	1,111.5	340.5	1,158.3	0.00	0.00	0.00
4,100.0	90.00	24.84	3,078.0	1,202.3	382.5	1,258.2	0.00	0.00	0.00
4,200.0	90.00	24.84	3,078.0	1,293.0	424.5	1,358.0	0.00	0.00	0.00
4,300.0	90.00	24.84	3,078.0	1,383.8	466.5	1,457.9	0.00	0.00	0.00
4,400.0	90.00	24.84	3,078.0	1,474.5	508.5	1,557.8	0.00	0.00	0.00
4,500.0	90.00	24.84	3,078.0	1,565.3	550.5	1,657.6	0.00	0.00	0.00
4,600.0	90.00	24.84	3,078.0	1,656.0	592.5	1,757.5	0.00	0.00	0.00
4,700.0	90.00	24.84	3,078.0	1,746.8	634.5	1,857.4	0.00	0.00	0.00
4,800.0	90.00	24.84	3,078.0	1,837.5	676.5	1,957.2	0.00	0.00	0.00
4,900.0	90.00	24.84	3,078.0	1,928.3	718.5	2,057.1	0.00	0.00	0.00
5,000.0	90.00	24.84	3,078.0	2,019.0	760.5	2,157.0	0.00	0.00	0.00
5,100.0	90.00	24.84	3,078.0	2,109.8	802.5	2,256.8	0.00	0.00	0.00
5,200.0	90.00	24.84	3,078.0	2,200.5	844.5	2,356.7	0.00	0.00	0.00
5,300.0	90.00	24.84	3,078.0	2,291.3	886.6	2,456.6	0.00	0.00	0.00
5,400.0	90.00	24.84	3,078.0	2,382.0	928.6	2,556.5	0.00	0.00	0.00
5,500.0	90.00	24.84	3,078.0	2,472.8	970.6	2,656.3	0.00	0.00	0.00
5,600.0	90.00	24.84	3,078.0	2,563.5	1,012.6	2,756.2	0.00	0.00	0.00
5,700.0	90.00	24.84	3,078.0	2,654.3	1,054.6	2,856.1	0.00	0.00	0.00
5,800.0	90.00	24.84	3,078.0	2,745.0	1,096.6	2,955.9	0.00	0.00	0.00
5,900.0	90.00	24.84	3,078.0	2,835.8	1,138.6	3,055.8	0.00	0.00	0.00
5,932.7	90.00	24.84	3,078.0	2,865.5	1,152.3	3,088.5	0.00	0.00	0.00
"TD" 90.00° @ 5933' MD									

Planning Report

Database: EDM 5000.1 Single User Db
 Company: Williams Energy
 Project: Rio Arriba Co NM
 Site: Sec22 T31N-R06W - #332
 Well: Rosa Unit #332 STK
 Wellbore: STK-2
 Design: Design #5

Local Co-ordinate Reference: Site Sec22 T31N-R06W - #332
 TVD Reference: WELL @ 6252 0usft (Original Well Elev)
 MD Reference: WELL @ 6252 0usft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

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)
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Design Targets

Target Name	hit/miss target	Dip Angle (°)	Dip Dir (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
TD-332	- plan hits target center - Point	0 00	0 00	3,078 0	2,865 5	1,152 3	2,145,390 48	149,052 77	36° 53' 23 964 N	107° 27' 0 288 W
LAND-332	- plan hits target center - Point	0 00	0 00	3,078 0	700 0	150 0	2,143,237 82	148,023 20	36° 53' 2 553 N	107° 27' 12 626 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,964.0	2,911 1	164 1	96 6	STK @ 2964'MD DLS 12 00° TFO -47 90
3,251 7	3,041 7	415 3	108 2	Con't DLS 12 18° TFO 70 21
3,546 5	3,078 0	700 0	150 0	"LAND" 90 00° @ 3547'MD
5,932.7	3,078 0	2,865 5	1,152 3	"TD" 90 00° @ 5933'MD