Submit To Appropriate District Office
Two Copies
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 and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-105
July 17, 2008

1. WELL API NO.
30-039-29509

2. Type of Lease
☒ STATE ☐ FEE ☐ FED/INDIAN

3. State Oil & Gas Lease No. ~~E-504~~ E-346

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4 Reason for filing

X **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☐ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33, attach this and the plat to the C-144 closure report in accordance with 19 15.17 13 K NMAC)

5. Lease Name or Unit Agreement Name
Rosa Unit

6. Well Number:
Rosa Unit #243A

7 Type of Completion
NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☒ OTHER Horizontal Recompletion

8. Name of Operator Williams Production Company, LLC

9 OGRID 120782

10 Address of Operator P.O. Box 640, Aztec, NM 87410

11. Pool name or Wildcat
Basin Fruitland

12.Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	C	36	32N	6W		1031'	NORTH	1921'	WEST	RIO ARRIBA
BH:	K	36	32N	6W		2009'	SOUTH	2166'	WEST	RIO ARRIBA

13. Date Spudded	14 Date T D Reached	15 Date Rig Released	16 Date Completed (Ready to Produce)	17. Elevations (DF and RKB, RT, GR, etc)
existing	existing	existing	9/21/11	6651'

18 Total Measured Depth of Well	19 Plug Back Measured Depth	20 Was Directional Survey Made?	21 Type Electric and Other Logs Run
5467' MD / 3364' TVD	5333' MD/ 3364' TVD	YES	

22 Producing Interval(s), of this completion - Top, Bottom, Name
Basin Fruitland Coal 2991'-5328'

23 **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB /FT	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	314'	12-1/4"	215 sxs - surface	
7"	20#	3265'	8-3/4"	600 sxs - surface	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
4-1/2"	2925'	5333'	0 SX	

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-7/8", 6.5#, J-55	3469'	

26. Perforation record (interval, size, and number)

Fruitland 2991'-5328' (Preperforated liner, 28, 0 50" dia holes p/ft)

27 ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2991'-5328'	Not stimulated

RECEIVED
SEP 2011
OIL CONS. DIV. DIST. 3

28 **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod or Shut-in)*
9/2/05		PR

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl	Gas - Oil Ratio

Flow Tubing	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - *(Corr)*

29 Disposition of Gas *(Sold, used for fuel, vented, etc)*

30 Test Witnessed By

31 List Attachments
Wellbore diagram, EOW report

32 If a temporary pit was used at the well, attach a plat with the location of the temporary pit

33 If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude Longitude NAD 1927 1983

A

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Larry Higgins Printed Name Larry Higgins Title Permit Supv Date 9/27/11

E-mail Address larry.higgins@williams.com (505) 333-1808

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland 2766'	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland 3216'	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs 3421'	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T.Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T.Tubb	T. Delaware Sand	T. Morrison	
T. Drinkard	T. Bone Springs	T.Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....

No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology

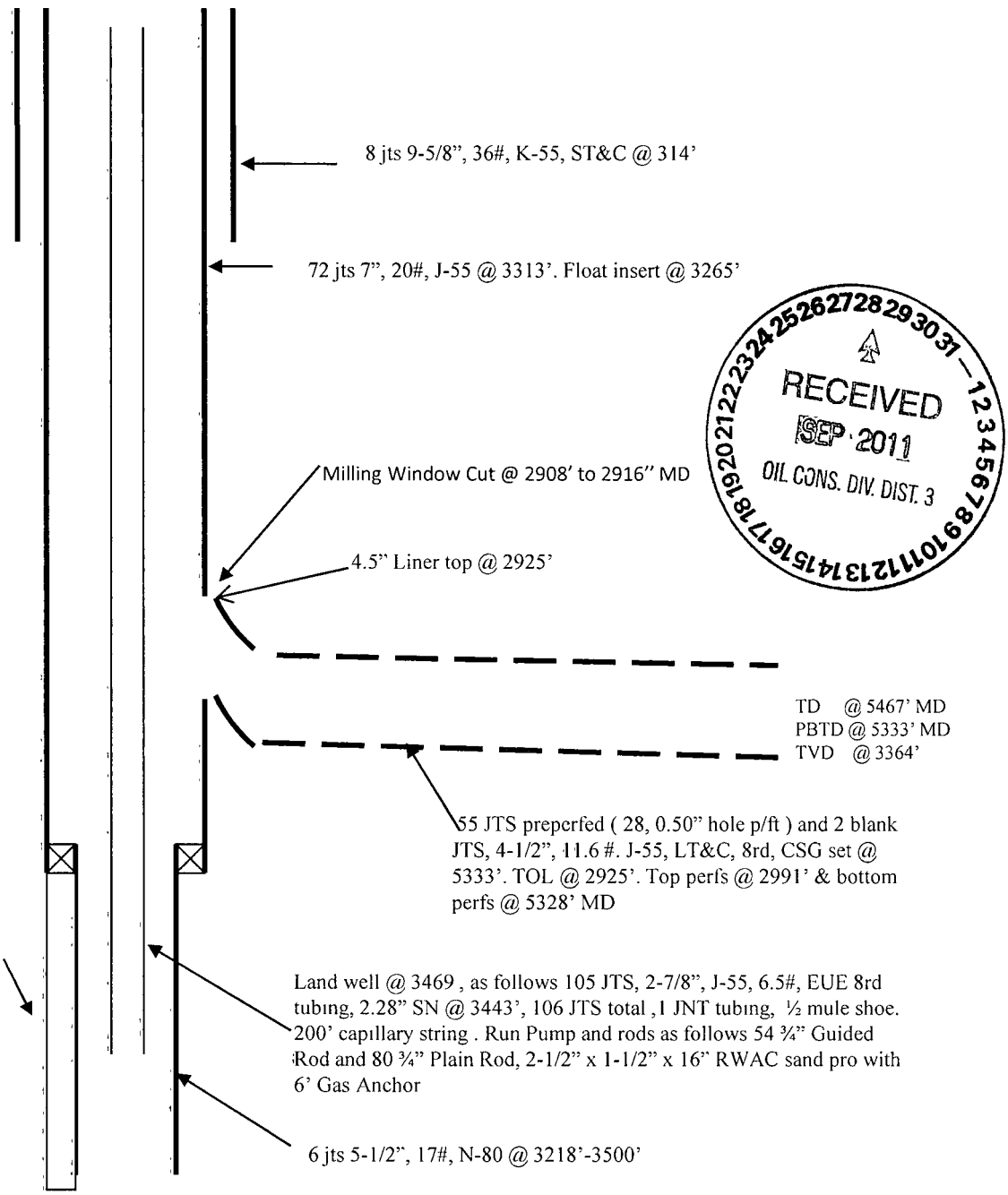
SHL:
1031' FNL & 1921' FWL
NE/4 NW/4 Sec 36(C), T32N, R6W

BHL: 2009' FSL & 2166' FWL
NE/4 SW/4 Sec 36, (K) T32N, R6W

Rio Arriba, New Mexico
Elevation: 6651'' GR
API # 30-039-29509

ROSA UNTIT #243A
BASIN FRUITLAND COAL
HORIZONTAL-REENTRY

Spud 06/09/05
Completed 08/26/05
1st Delivery 09/02/05
Horiz reentry 9/21/11



Top	Depth
Ojo Alamo	2656'
Kirtland	2766'
Fruitland	3216'
Pictured Cliffs	3421'

3-1/8" HSC gun w/15 grm charge, 120 phasing, 4 SPF, 300 holes total, 0.49" dia.

3323' – 3343'
3344' – 3358'
3361' – 3371'
3395' – 3405'
3407' – 3427'

12-1/4"	9-5/8", 36#	215 sx	303 cu. ft.	Surface
8-3/4"	7", 20#	600 sx	123.1 cu. ft.	Surface
6-1/4"	5-1/2", 17#	Did Not Cmt		
61/4"	4-1/2", 11.6 #	none	none	

LG 9/27/11

Williams Energy

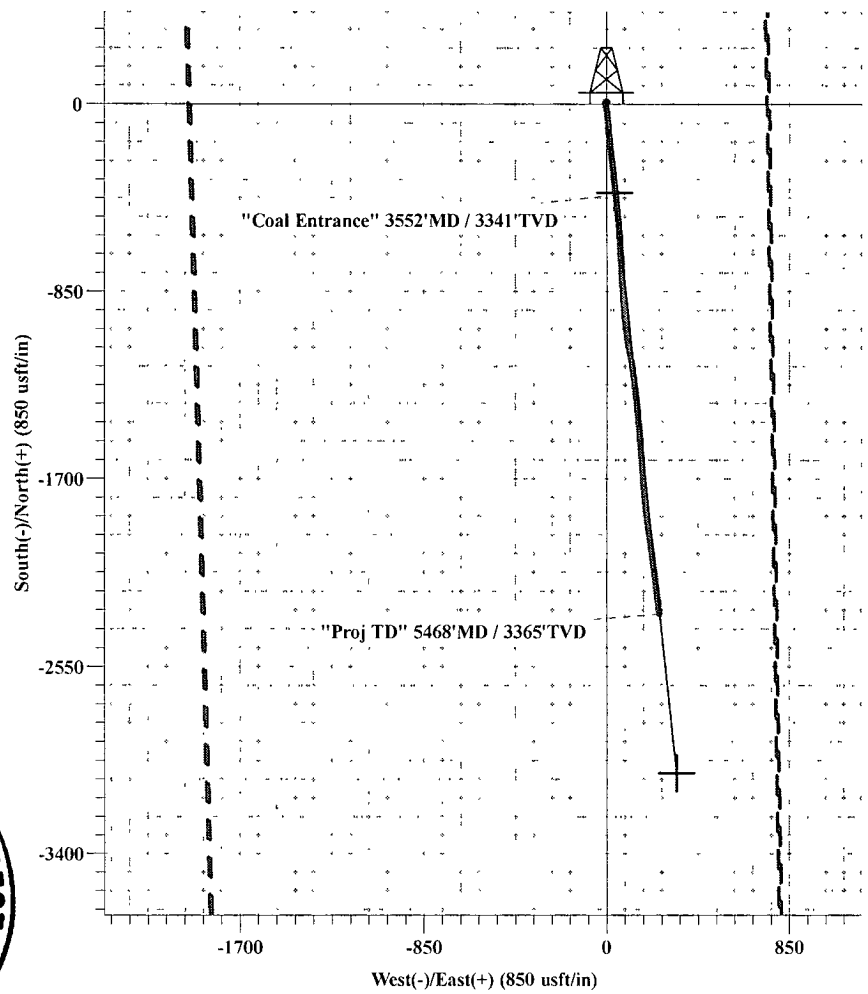
Rosa Unit #243A STK
Sec36 T32N-R6W - #243A
Rio Arriba Co. NM
GL: 6651' KB: 14'

PATHFINDER®
A Schlumberger Company

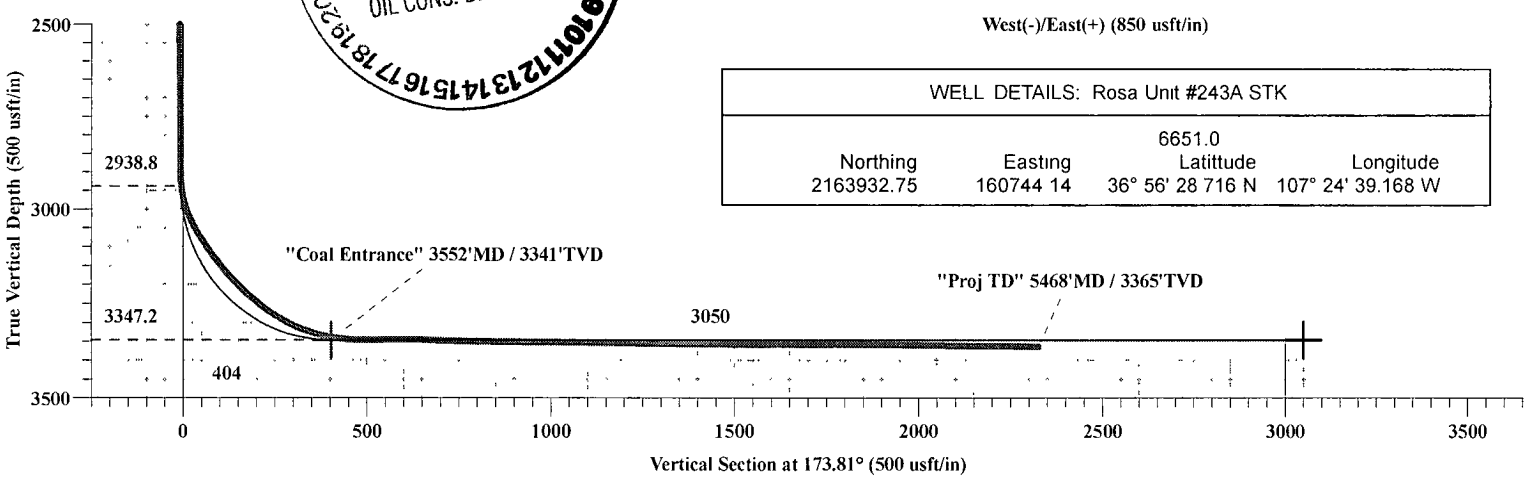
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
LAND-243A	3347 0	-401 9	39 0	2163530 40	160778 24	Point
TD-243A	3347 0	-3032 9	324 5	2160896 09	161031 65	Point

EOW
No Hardlines Crossed



WELL DETAILS: Rosa Unit #243A STK			
		6651.0	
Northing	Easting	Latittude	Longitude
2163932.75	160744 14	36° 56' 28 716 N	107° 24' 39.168 W



SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
2939 0	0 18	216 27	2938 8	5 1	-4 3	0 00	0 00	-5 6	
3581 0	90 00	173 81	3347 2	-401 9	39 0	14 00	-42.46	403 7	
6227 5	90 00	173 81	3347 0	-3032 9	324 5	0 00	0 00	3050 2	TD-243A

Plan: Design #3 (Rosa Unit #243A STK/STK)

Created By: Frank C. Scardino Date: 8/29/2011

Williams Energy

Rio Arriba Co. NM
Sec36 T32N-R6W - #243A
Rosa Unit #243A STK

STK

Design: STK

Standard Survey Report

29 August, 2011

Survey Report

Company:	Williams Energy	**Local Co-ordinate Reference:**	Site Sec36 T32N-R6W - #243A
Project:	Rio Arriba Co NM	**TVD Reference:**	WELL @ 6665 0usft (Original Well Elev)
Site:	Sec36 T32N-R6W - #243A	**MD Reference:**	WELL @ 6665 0usft (Original Well Elev)
Well:	Rosa Unit #243A STK	**North Reference:**	True
Wellbore:	STK	**Survey Calculation Method:**	Minimum Curvature
Design:	STK	**Database:**	EDM 5000 1 Single User Db

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 Sec36 T32N-R6W - #243A

Site Position:		**Northing:**	2,163,932 75 usft	**Latitude:**	36° 56' 28 716 N
From:	Lat/Long	**Easting:**	160,744 15 usft	**Longitude:**	107° 24' 39 168 W
Position Uncertainty:	0 0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	-0 70 °

Well Rosa Unit #243A STK

Well Position	**+N/-S**	0 0 usft	**Northing:**	2,163,932 75 usft	**Latitude:**	36° 56' 28 716 N
	+E/-W	0 0 usft	**Easting:**	160,744 15 usft	**Longitude:**	107° 24' 39 168 W
Position Uncertainty		0 0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	6,651 0 usft

Wellbore STK

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	08/10/11	9.75	63 70	50,880

Design STK

Audit Notes:

Version:	1 0	**Phase:**	ACTUAL	**Tie On Depth:**	0 0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0 0	0 0	0 0	173 81

Survey Program **Date** 08/29/11

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
200 0	5,468 0	Survey #1 (STK)	MWD	MWD - Standard

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
200 0	1 09	23 76	200 0	1 7	0 8	-1.6	0 55	0 55	0.00
400 0	1 36	19 56	399 9	5 7	2 3	-5 4	0 14	0 14	-2 10
600 0	0 52	30 51	599 9	8.7	3 6	-8 3	0 43	-0 42	5 48
800 0	0 28	168 04	799 9	9 0	4 1	-8 5	0 38	-0 12	68 77
1,000 0	0 57	199 22	999 9	7 6	3 9	-7 2	0 18	0 15	15 59
1,200 0	0 36	240 95	1,199 9	6 4	3 0	-6 0	0 19	-0 11	20 87
1,400 0	0 28	230 49	1,399 9	5 8	2.1	-5 5	0 05	-0 04	-5 23
1,600 0	0 15	286 22	1,599 9	5 5	1 5	-5 3	0 12	-0 07	27 87
1,800 0	0 86	325 53	1,799.9	6 8	0 4	-6 8	0 37	0 36	19 66

Survey Report

Company:	Williams Energy	**Local Co-ordinate Reference:**	Site Sec36 T32N-R6W - #243A
Project:	Rio Arriba Co NM	**TVD Reference:**	WELL @ 6665 0usft (Original Well Elev)
Site:	Sec36 T32N-R6W - #243A	**MD Reference:**	WELL @ 6665 0usft (Original Well Elev)
Well:	Rosa Unit #243A STK	**North Reference:**	True
Wellbore:	STK	**Survey Calculation Method:**	Minimum Curvature
Design:	STK	**Database:**	EDM 5000 1 Single User Db

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)
2,000 0	0 68	323 55	1,999 9	9 0	-1 2	-9.1	0 09	-0 09	-0 99
2,200 0	0 61	267 18	2,199 9	9 9	-2 9	-10 2	0 31	-0 04	-28 19
2,400 0	0 31	144.40	2,399 9	9 4	-3 7	-9 8	0 41	-0 15	-61 39
2,600 0	0 64	187 61	2,599 8	7 9	-3 5	-8 2	0 23	0 17	21.61
2,800 0	0 53	198 05	2,799 8	5 9	-4 0	-6 3	0 08	-0 06	5 22
2,841.0	0 40	239 70	2,840 8	5 7	-4 1	-6 1	0 86	-0 32	101 59
2,873 0	0 30	266 50	2,872 8	5 6	-4 3	-6 0	0 59	-0 31	83 75
2,905.0	1 30	217.00	2,904 8	5 3	-4 6	-5 8	3 53	3 13	-154 69
2,930 0	4 31	200 54	2,929 8	4 2	-5 1	-4 7	12 34	12 04	-65 84
2,962 0	10 11	179 48	2,961 5	0 3	-5 5	-0 8	19 62	18 13	-65 81
2,989 0	16 53	161 73	2,987 8	-5 8	-4 3	5 3	27 93	23 78	-65 74
3,021 0	23.83	163 16	3,017 8	-16 3	-1 0	16 1	22 86	22 81	4 47
3,052 0	29 11	170 95	3,045 6	-29 8	2 0	29 8	20 35	17 03	25 13
3,084 0	32 62	175 12	3,073.0	-46 0	4.0	46 2	12 84	10 97	13 03
3,116 0	35 26	174 82	3,099.6	-63 8	5 5	64 1	8 27	8 25	-0 94
3,148 0	37 37	174 73	3,125 4	-82 7	7 3	83 0	6 60	6 59	-0 28
3,180 0	40 01	174 28	3,150 3	-102 6	9 2	103.0	8 30	8 25	-1 41
3,212 0	42 38	173 31	3,174 4	-123 6	11.5	124 1	7 67	7 41	-3 03
3,244 0	44 67	173 68	3,197 6	-145 5	14 0	146 1	7 20	7 16	1 16
3,275 0	47 84	173 84	3,219 1	-167 7	16 4	168 5	10 23	10 23	0 52
3,307 0	51 00	173 59	3,239 9	-191 9	19 1	192 8	9 89	9 88	-0 78
3,340 0	54 08	173 34	3,259 9	-217 9	22 0	219 0	9 35	9 33	-0 76
3,371 0	57 42	173 52	3,277 4	-243 4	25 0	244 6	10 78	10 77	0 58
3,403 0	60 85	173 40	3,293 8	-270 6	28 1	272 1	10 72	10 72	-0 38
3,435 0	65 42	173 34	3,308 3	-299 0	31 4	300 6	14 28	14 28	-0 19
3,466 0	70 26	173 32	3,319 9	-327 5	34 7	329 3	15 61	15 61	-0 06
3,498 0	74 39	173 71	3,329 7	-357 8	38 2	359 8	12 96	12 91	1 22
3,529 0	78 52	174 07	3,336 9	-387 7	41 4	389 9	13 37	13 32	1.16
3,552 0	81 24	174 61	3,341 0	-410 3	43 6	412 6	12 07	11 84	2 35
"Coal Entrance" 3552'MD / 3341'TVD									
3,561 0	82 31	174 82	3,342 2	-419 1	44 4	421 5	12 07	11 85	2 33
3,590 0	86 35	173 34	3,345 1	-447 8	47 4	450 3	14 83	13 93	-5 10
3,653 0	90 22	174 87	3,347 0	-510 5	53 9	513 3	6 60	6 14	2 43
3,718 0	90 75	176 51	3,346 4	-575 3	58 8	578 3	2 65	0 82	2 52
3,781 0	89 16	176.10	3,346 5	-638 1	62 8	641 2	2 61	-2 52	-0 65
3,844 0	87 49	175 77	3,348 3	-701 0	67 3	704 1	2 70	-2 65	-0 52
3,907 0	88 29	176 87	3,350 7	-763 8	71 3	767 0	2 16	1 27	1 75
3,971 0	90 04	178 18	3,351 6	-827 7	74 1	830 9	3 42	2 73	2 05
4,035 0	89 69	177 14	3,351 7	-891 7	76 7	894 7	1 71	-0 55	-1 63
4,098 0	89 34	174 31	3,352 3	-954 5	81 4	957 7	4 53	-0 56	-4.49
4,162 0	90 13	172 48	3,352 6	-1,018 0	88 8	1,021 7	3 11	1 23	-2 86
4,226 0	88 29	169 76	3,353 4	-1,081 3	98 6	1,085 6	5 13	-2 88	-4 25
4,289 0	89 34	169 31	3,354 7	-1,143 2	110 1	1,148 4	1 81	1 67	-0 71
4,353 0	89 43	171.62	3,355 4	-1,206 3	120 7	1,212 3	3 61	0 14	3 61

Survey Report

Company:	Williams Energy	**Local Co-ordinate Reference:**	Site Sec36 T32N-R6W - #243A
Project:	Rio Arriba Co. NM	**TVD Reference:**	WELL @ 6665 0usft (Original Well Elev)
Site:	Sec36 T32N-R6W - #243A	**MD Reference:**	WELL @ 6665 0usft (Original Well Elev)
Well:	Rosa Unit #243A STK	**North Reference:**	True
Wellbore:	STK	**Survey Calculation Method:**	Minimum Curvature
Design:	STK	**Database:**	EDM 5000.1 Single User Db

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)
4,416 0	89.08	172 49	3,356.3	-1,268 7	129.4	1,275 2	1.49	-0 56	1 38
4,479 0	88 90	173 16	3,357 4	-1,331 2	137 3	1,338 2	1 10	-0 29	1 06
4,544 0	89.60	174 32	3,358 2	-1,395 8	144 3	1,403 2	2.08	1 08	1 78
4,607 0	89.43	175 42	3,358 7	-1,458 5	150 0	1,466 2	1.77	-0 27	1 75
4,670.0	89 96	175 86	3,359 1	-1,521.4	154 8	1,529 2	1 09	0.84	0 70
4,734.0	90 31	175.40	3,358 9	-1,585 2	159 6	1,593 1	0 90	0.55	-0 72
4,798 0	90 31	175 59	3,358 6	-1,649 0	164 7	1,657.1	0 30	0 00	0 30
4,861 0	89 69	174 61	3,358 6	-1,711 7	170.0	1,720 1	1 84	-0 98	-1 56
4,926 0	89.60	175 09	3,359.0	-1,776 5	175.9	1,785 1	0 75	-0 14	0.74
4,989 0	89 87	173 51	3,359 3	-1,839 2	182 1	1,848 1	2 54	0.43	-2.51
5,054 0	89 08	171 75	3,359 9	-1,903 6	190 5	1,913 1	2 97	-1 22	-2 71
5,117 0	89 25	171 68	3,360 8	-1,966 0	199 5	1,976 0	0 29	0 27	-0 11
5,181 0	88 99	172 15	3,361 8	-2,029 3	208 5	2,040 0	0.84	-0 41	0 73
5,246 0	89 87	172 49	3,362 4	-2,093.7	217 2	2,104 9	1 45	1 35	0 52
5,309 0	89 60	172 17	3,362 7	-2,156 2	225 6	2,167 9	0 66	-0 43	-0 51
5,373 0	89 08	173.08	3,363 5	-2,219.6	233 9	2,231 9	1 64	-0 81	1 42
5,468 0	89 08	173 08	3,365 0	-2,313 9	245 3	2,326 9	0 00	0 00	0 00
"Proj TD" 5468'MD / 3365'TVD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
3,552 0	3,341 0	-410.3	43 6	"Coal Entrance" 3552'MD / 3341'TVD
5,468 0	3,365 0	-2,313 9	245 3	"Proj TD" 5468'MD / 3365'TVD

Checked By: _____ Approved By. _____ Date: _____