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
NOV 2011
OIL CONS. DIV. DIST. 3

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

As Drilled"

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-039-29776	71629	BASIN FRUITLAND COAL

4 Property Code	5 Property Name	6 Well Number
17033	ROSA UNIT	63A

7 OGRID No.	8 Operator Name	9 Elevation
120782	WILLIAMS PRODUCTION COMPANY	6543'

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
J	30	31N	4W		1838	SOUTH	1431	EAST	RIO ARRIBA

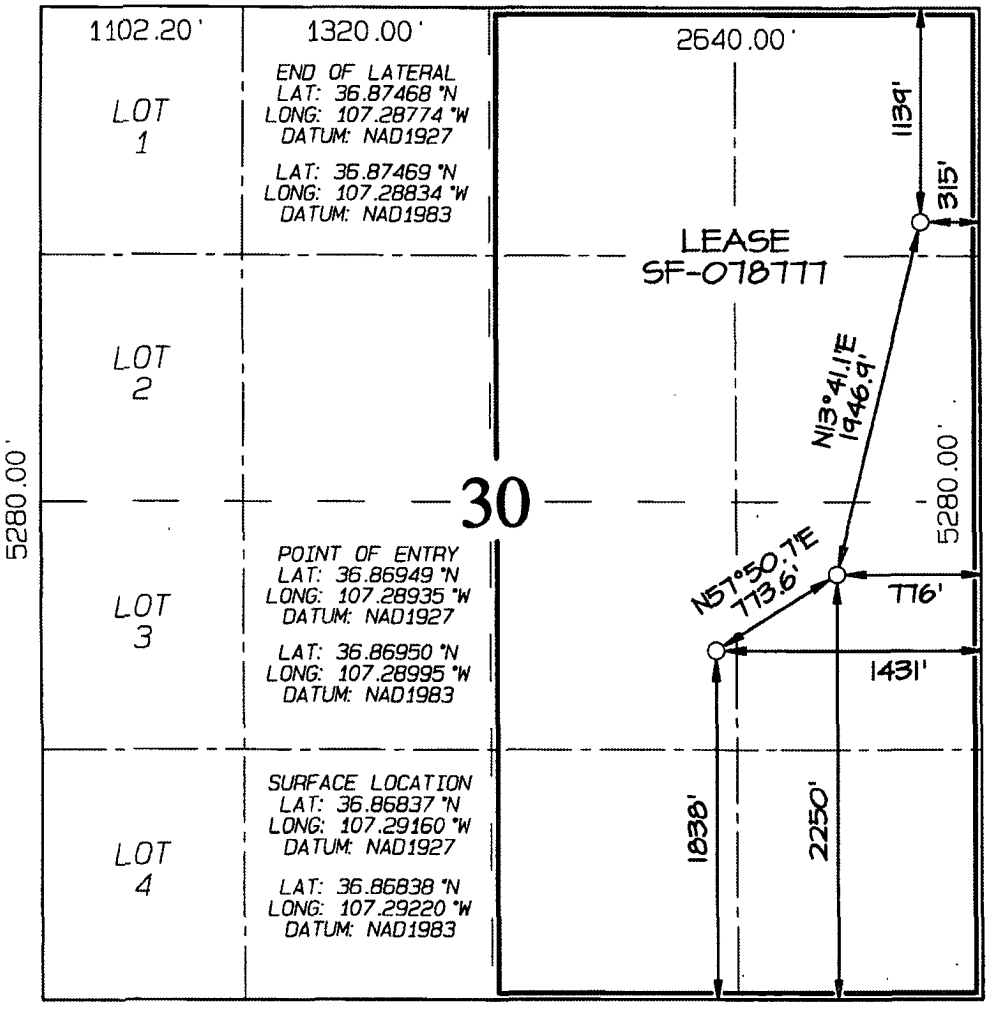
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	30	31N	4W		1139	NORTH	315	EAST	RIO ARRIBA

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
320.0 Acres - (E/2)			SD-20117-0

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 10-31-11

Printed Name: Larry Higgins

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 30, 2011
Survey Date: DECEMBER 13, 2002

Signature and Seal of Professional Surveyor

JASON C. EDWARDS
NEW MEXICO
15269
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS
Certificate Number 15269

Williams Energy

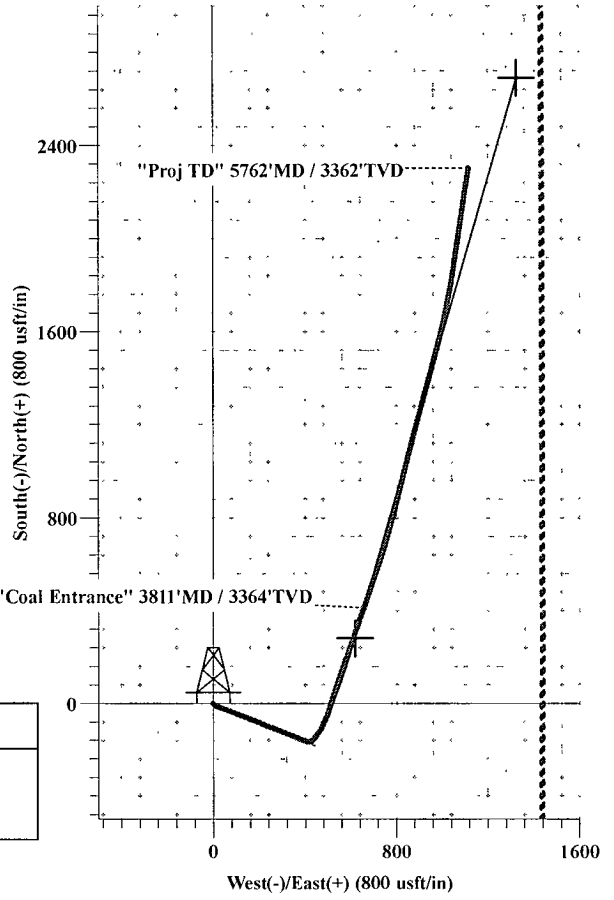
Rosa Unit #63A STK
Sec30 T31N-R4W - 63A
Rio Arriba Co. NM
GL: 6543' KB: 14'

PATHFINDER®
A Schlumberger Company

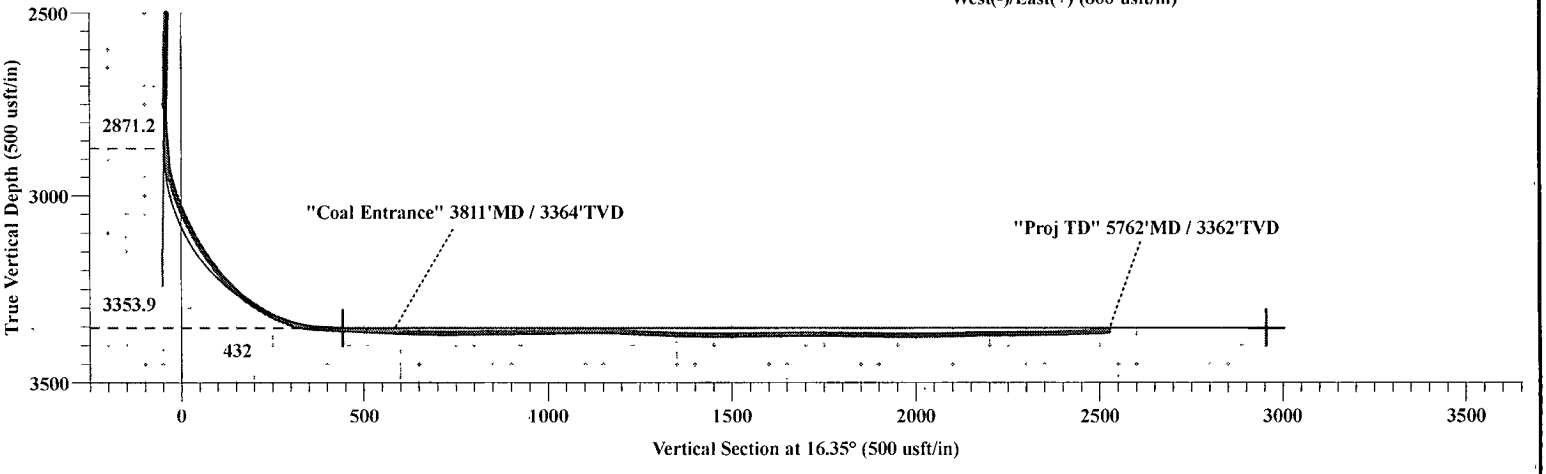
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
LAND-63A	3354 0	280 2	617 7	2137248 55	195934.50	Point
TD-63A	3354 0	2690 6	1325.1	2139651 11	196668.15	Point

EOW
No Hardline Crossed



WELL DETAILS Rosa Unit #63A STK			
		6543 0	
Northing	Easting	Latitude	Longitude
2136975.11	195313.78	36° 52' 6.132 N	107° 17' 29 760 W



SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
2914 0	7 63	113 82	2871 2	-170 4	417 2	0 00	0 00	-46 1	
3674 1	90 00	16 38	3353 9	270 7	613 7	11 97	-97 37	432 5	
6196 4	90 00	16 38	3354.0	2690 6	1325 1	0 00	0 00	2954 8	TD-63A

Plan: Design #2 (Rosa Unit #63A STK/STK)

Created By: Frank C. Scardino Date: 9/09/2011

Williams Energy

Rio Arriba Co. NM
Sec30 T31N-R4W - 63A
Rosa Unit #63A STK

STK

Design: STK

Standard Survey Report

27 September, 2011

Survey Report

Company:	Williams Energy	**Local Co-ordinate Reference:**	Site Sec30 T31N-R4W - 63A
Project:	Rio Arriba Co NM	**TVD Reference:**	WELL @ 6557 0usft (Original Well Elev)
Site:	Sec30 T31N-R4W - 63A	**MD Reference:**	WELL @ 6557 0usft (Original Well Elev)
Well:	Rosa Unit #63A 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 Sec30 T31N-R4W - 63A

Site Position:		**Northing:**	2,136,975 11 usft	**Latitude:**	36° 52' 6 132 N
From:	Lat/Long	**Easting:**	195,313 78 usft	**Longitude:**	107° 17' 29 760 W
Position Uncertainty:	0 0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	-0 63 °

Well Rosa Unit #63A STK

Well Position	**+N/-S**	0 0 usft	**Northing:**	2,136,975 11 usft	**Latitude:**	36° 52' 6 132 N
	+E/-W	0 0 usft	**Easting:**	195,313 78 usft	**Longitude:**	107° 17' 29 760 W
Position Uncertainty		0 0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	6,543 0 usft

Wellbore STK

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	08/24/11	9 69	63 66	50,851

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	16 35

Survey Program **Date** 09/27/11

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
300 0	5,762 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
300 0	0 00	0 00	300 0	0 0	0 0	0.0	0 00	0 00	0 00
377 0	1 69	169 70	377 0	-1 1	0 2	-1 0	2 19	2 19	0 00
439 0	2 88	142 57	438 9	-3 3	1 3	-2 8	2 54	1 92	-43 76
500 0	4 13	129 45	499 8	-5 9	3 9	-4.5	2 42	2 05	-21 51
561 0	5 25	125 32	560 6	-8.9	7 9	-6 3	1 92	1 84	-6 77
622 0	6 00	112 95	621 3	-11 7	13 1	-7 6	2 33	1 23	-20 28
682 0	6 81	107 45	681 0	-14 0	19 4	-8 0	1 69	1 35	-9 17
743 0	9 75	111 32	741 3	-17 0	27 7	-8 5	4 90	4 82	6 34
803 0	11 00	108 45	800 3	-20 6	37 8	-9 2	2 25	2 08	-4 78

Survey Report

Company:	Williams Energy	**Local Co-ordinate Reference:**	Site Sec30 T31N-R4W - 63A
Project:	Rio Arriba Co NM	**TVD Reference:**	WELL @ 6557 0usft (Original Well Elev)
Site:	Sec30 T31N-R4W - 63A	**MD Reference:**	WELL @ 6557 0usft (Original Well Elev)
Well:	Rosa Unit #63A 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)
864 0	12 19	111 32	860 1	-24 8	49 4	-9 9	2 17	1 95	4.70
924 0	12 44	112 95	918 7	-29 7	61 2	-11 2	0 71	0 42	2 72
985 0	12 13	110 70	978 3	-34 5	73 3	-12 5	0 93	-0 51	-3 69
1,046 0	11 88	109 20	1,038 0	-38 8	85 2	-13 3	0 66	-0 41	-2 46
1,106 0	12.25	111 20	1,096 6	-43 1	96 9	-14 1	0 93	0 62	3 33
1,167 0	11 50	107.70	1,156 3	-47 3	108 8	-14 8	1 70	-1 23	-5 74
1,231 0	11 25	109 95	1,219 1	-51 4	120 7	-15 3	0 80	-0 39	3 52
1,294 0	11 13	112 70	1,280 9	-55 8	132 1	-16 4	0 87	-0 19	4 37
1,356 0	11 06	113 57	1,341 7	-60 5	143 1	-17 8	0.29	-0.11	1 40
1,419.0	10 94	113.82	1,403 6	-65 4	154 1	-19 3	0 20	-0 19	0 40
1,481 0	10 88	107 07	1,464 5	-69 5	165 1	-20 2	2 06	-0 10	-10 89
1,544 0	10 50	108 95	1,526 4	-73 1	176 2	-20 5	0 82	-0.60	2 98
1,606 0	10 88	112 57	1,587 3	-77 1	186 9	-21 4	1 24	0 61	5 84
1,668 0	11 19	112 95	1,648.1	-81 7	197 9	-22 7	0 51	0 50	0 61
1,731 0	11 06	113 95	1,710 0	-86 6	209 0	-24 2	0 37	-0 21	1 59
1,793 0	10 81	113 07	1,770 8	-91 3	219 8	-25 7	0 48	-0 40	-1 42
1,856 0	11 13	112 20	1,832 7	-95 9	230 9	-27 0	0 57	0 51	-1 38
1,919 0	12 19	111 95	1,894 4	-100 7	242 7	-28 3	1 68	1 68	-0 40
1,982 0	11 94	109 82	1,956 0	-105 4	255 0	-29 3	0 81	-0 40	-3 38
2,045 0	12 06	109 95	2,017 6	-109 8	267 3	-30 1	0 20	0 19	0 21
2,108 0	11 88	110 32	2,079 2	-114 3	279 5	-31 0	0 31	-0 29	0 59
2,171 0	11 88	112 82	2,140 9	-119 1	291 6	-32 2	0.82	0 00	3 97
2,233 0	11 88	112 20	2,201 6	-124 0	303 4	-33 5	0 21	0 00	-1 00
2,294 0	11 88	112 20	2,261 3	-128 7	315 0	-34 8	0 00	0 00	0 00
2,356 0	11 31	111 45	2,322.0	-133 3	326 6	-36 0	0 95	-0 92	-1.21
2,417 0	11 50	110 57	2,381 8	-137 7	337 9	-37 0	0 42	0 31	-1 44
2,480 0	11 25	114 07	2,443 6	-142 4	349 3	-38 3	1 17	-0 40	5 56
2,541 0	11 13	111 45	2,503 4	-147 0	360 3	-39 6	0 86	-0 20	-4 30
2,602 0	10 56	111.20	2,563 3	-151 1	370 9	-40 6	0 94	-0 93	-0 41
2,665 0	10 13	112.32	2,625 3	-155 3	381 5	-41.7	0 75	-0 68	1 78
2,728 0	9 19	113 95	2,687 4	-159 5	391 2	-42 9	1 55	-1 49	2 59
2,790 0	9 38	112 32	2,748 6	-163 4	400 4	-44 1	0 52	0 31	-2 63
2,852 0	8 44	112 07	2,809.8	-167 0	409 3	-45 1	1 52	-1 52	-0 40
2,969 0	13 19	55 09	2,925 0	-162 6	428 2	-35 5	9 48	4 06	-48 70
2,997 0	17 59	43 63	2,952 0	-157 7	433 8	-29 2	19 03	15 71	-40 93
3,029 0	19 43	41 47	2,982 3	-150 2	440 6	-20 1	6 14	5 75	-6 75
3,061 0	21 81	37 92	3,012 3	-141 5	447 8	-9 8	8 40	7 44	-11 09
3,093 0	25 06	33 98	3,041 7	-131 2	455 3	2.2	11 27	10 16	-12 31
3,125 0	27 70	30 49	3,070 3	-119 2	462 8	15.9	9 56	8 25	-10.91
3,158 0	29 02	29 28	3,099 4	-105 6	470 6	31 1	4 36	4 00	-3 67
3,189 0	32 01	26 56	3,126 1	-91 7	478 0	46 6	10 62	9 65	-8 77
3,221 0	35 26	24 01	3,152 7	-75 7	485 5	64 1	11 07	10 16	-7 97
3,253 0	36 23	22 77	3,178 7	-58 5	493 0	82 6	3 78	3 03	-3 88
3,285 0	38 60	20 36	3,204 1	-40 4	500 1	102 0	8 70	7 41	-7 53

Survey Report

Company:	Williams Energy	**Local Co-ordinate Reference:**	Site Sec30 T31N-R4W - 63A
Project:	Rio Arriba Co NM	**TVD Reference:**	WELL @ 6557 0usft (Original Well Elev)
Site:	Sec30 T31N-R4W - 63A	**MD Reference:**	WELL @ 6557 0usft (Original Well Elev)
Well:	Rosa Unit #63A 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)
3,317 0	42 74	17 14	3,228 4	-20 7	506 8	122 8	14 50	12 94	-10 06
3,349 0	46 25	16 53	3,251 2	0 8	513 3	145 2	11 05	10 97	-1 91
3,380 0	51 79	17 55	3,271 5	23.1	520 1	168 6	18 04	17 87	3 29
3,412 0	56 98	18 03	3,290 1	47 9	528 1	194 6	16.26	16 22	1 50
3,445 0	60 06	18 42	3,307 4	74 6	536 9	222 7	9 39	9 33	1 18
3,477 0	65 07	18 93	3,322 1	101.5	546 0	251 1	15 72	15 66	1 59
3,509 0	69 47	19 91	3,334 5	129 4	555 8	280 6	14 04	13 75	3 06
3,538 0	73 51	20 31	3,343.7	155 2	565 2	308 0	13 99	13 93	1 38
3,570 0	80 99	19 99	3,350 7	184.5	576 0	339 1	23 40	23 38	-1 00
3,601 0	87 41	19 45	3,353 9	213 5	586 4	369 9	20 78	20 71	-1 74
3,633 0	87 67	19 39	3,355 2	243 6	597 0	401 8	0 83	0 81	-0 19
3,664 0	87 49	18 92	3,356 5	272 9	607 2	432 8	1 62	-0 58	-1 52
3,696 0	87 32	18 82	3,358 0	303 1	617 5	464.7	0.62	-0 53	-0 31
3,760 0	87 14	19 12	3,361 1	363 6	638 3	528 6	0 55	-0 28	0 47
3,811 0	87 07	19 01	3,363 7	411 7	654 9	579 4	0 26	-0 14	-0 22
"Coal Entrance" 3811'MD / 3364'TVD									
3,823 0	87 05	18 98	3,364 3	423 1	658 8	591 4	0 26	-0.14	-0 22
3,887 0	88 99	19 77	3,366 5	483 4	680 0	655 3	3 27	3 03	1 23
3,951 0	90 13	20 15	3,367 0	543 5	701 9	719 1	1 88	1 78	0 59
4,015 0	89 78	19 75	3,367 0	603 7	723 7	783 0	0 83	-0 55	-0 63
4,078 0	91 36	16 51	3,366 4	663 6	743 3	846 0	5 72	2 51	-5 14
4,142 0	90 75	16 25	3,365 2	725 0	761 4	910 0	1 04	-0 95	-0 41
4,205 0	91 19	16 07	3,364 2	785 5	778 9	973 0	0 75	0 70	-0 29
4,269 0	91 10	14 35	3,362 9	847 2	795 7	1,036 9	2 69	-0 14	-2 69
4,333 0	90 57	14 07	3,361 9	909 2	811 4	1,100.9	0 94	-0 83	-0 44
4,397 0	88 55	13 90	3,362 4	971 3	826 9	1,164.8	3 17	-3 16	-0 27
4,460 0	86 00	13 88	3,365 4	1,032 4	842 0	1,227 7	4 05	-4 05	-0 03
4,524 0	88 11	14 87	3,368 7	1,094.3	857 8	1,291 6	3 64	3 30	1 55
4,589 0	88 72	15 86	3,370 5	1,157.0	875 0	1,356 5	1 79	0 94	1 52
4,652 0	88 37	16 02	3,372 1	1,217 5	892 3	1,419 5	0 61	-0 56	0 25
4,715 0	90 75	15 65	3,372 6	1,278 1	909 5	1,482 5	3 82	3 78	-0 59
4,779 0	91 10	14 95	3,371 6	1,339 9	926 4	1,546 5	1 22	0 55	-1 09
4,842 0	90 48	15 40	3,370 7	1,400 7	942 9	1,609 5	1 22	-0 98	0 71
4,906 0	90 48	15 65	3,370 2	1,462 3	960 0	1,673 4	0 39	0 00	0 39
4,970 0	89 60	14 16	3,370 1	1,524 2	976 5	1,737 4	2 70	-1 38	-2 33
5,033.0	89 34	13 20	3,370 7	1,585 4	991 4	1,800 3	1 58	-0 41	-1 52
5,097 0	89 34	12 38	3,371 4	1,647 8	1,005 6	1,864 2	1 28	0 00	-1 28
5,160.0	89 60	11 33	3,372 0	1,709 4	1,018 5	1,927 0	1 72	0 41	-1 67
5,224 0	89 43	10 84	3,372 6	1,772.2	1,030 8	1,990 7	0 81	-0.27	-0 77
5,288 0	91 19	10 98	3,372 2	1,835 1	1,042 9	2,054 5	2 76	2 75	0 22
5,351 0	91 89	8 48	3,370 5	1,897.1	1,053 6	2,117 0	4 12	1 11	-3 97
5,415 0	90 66	8 27	3,369 1	1,960 4	1,062 9	2,180 4	1 95	-1 92	-0 33
5,479 0	89 34	7 33	3,369 1	2,023 9	1,071 6	2,243 7	2 53	-2 06	-1 47

Survey Report

Company:	Williams Energy	**Local Co-ordinate Reference:**	Site Sec30 T31N-R4W - 63A
Project:	Rio Arriba Co, NM	**TVD Reference:**	WELL @ 6557.0usft (Original Well Elev)
Site:	Sec30 T31N-R4W - 63A	**MD Reference:**	WELL @ 6557.0usft (Original Well Elev)
Well:	Rosa Unit #63A 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)
5,543 0	91 28	8 50	3,368 8	2,087.2	1,080 4	2,307 0	3 54	3 03	1.83
5,606 0	91 71	8 97	3,367 1	2,149 5	1,089 9	2,369 4	1 01	0 68	0 75
5,670 0	90 92	9 11	3,365 6	2,212 7	1,100 0	2,432 8	1.25	-1 23	0 22
5,702 0	92 33	9 82	3,364 7	2,244 2	1,105 3	2,464.6	4 93	4 41	2.22
5,762 0	92 33	9 82	3,362 3	2,303 3	1,115 5	2,524 2	0 00	0 00	0 00
"Proj TD" 5762'MD / 3362'TVD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
3,811 0	3,363 7	411 7	654 9	"Coal Entrance" 3811'MD / 3364'TVD
5,762 0	3,362 3	2,303 3	1,115 5	"Proj TD" 5762'MD / 3362'TVD

Checked By. _____ Approved By: _____ Date. _____