

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505



Form C-102

Revised August 1, 2011

Submit one copy to
Appropriate District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-21395		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 63
*GRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6541'

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
G	30	31N	4W		1626	NORTH	1884	EAST	RIO ARriba

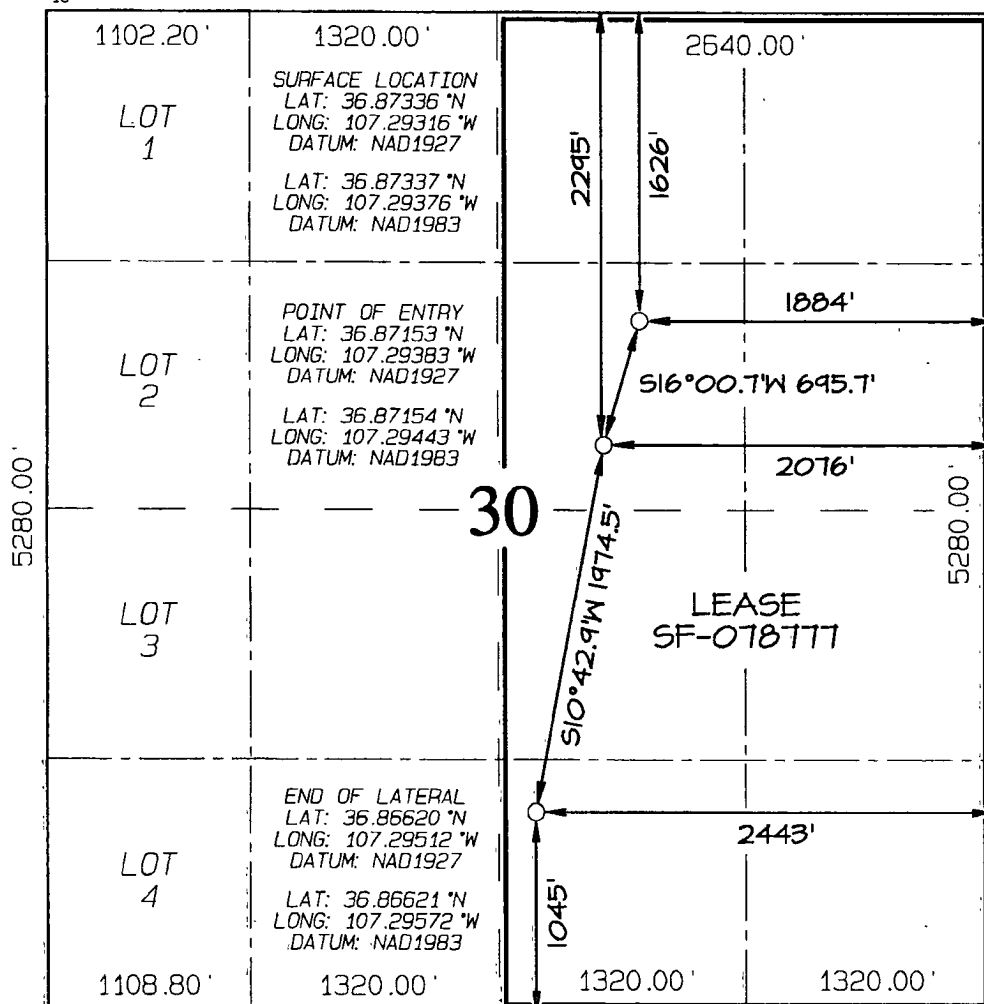
¹¹ Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	30	31N	4W		1045	SOUTH	2443	EAST	RIO ARriba

¹² Dedicated Acres 320.0 Acres - (E/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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: *Larry Higgins* Date: 11-1-11
 Printed Name: LARRY HIGGINS

E-mail Address

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: OCTOBER 13, 2011
 Date of Survey: MARCH 15, 2011

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269



Williams Energy

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

GL: 6541' KB: 14'

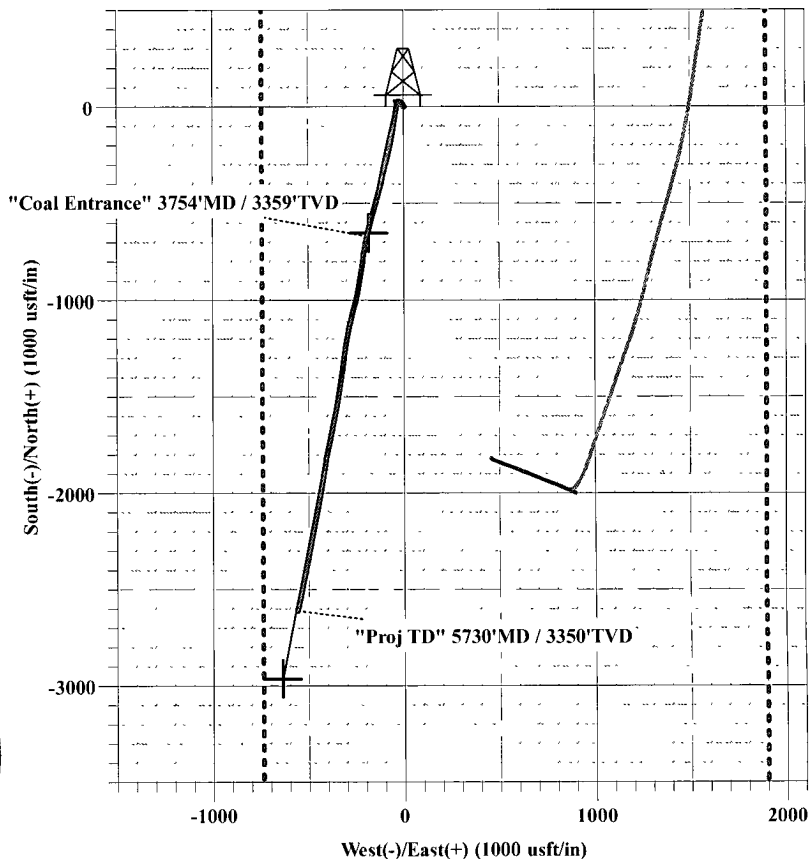


A Schlumberger Company

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

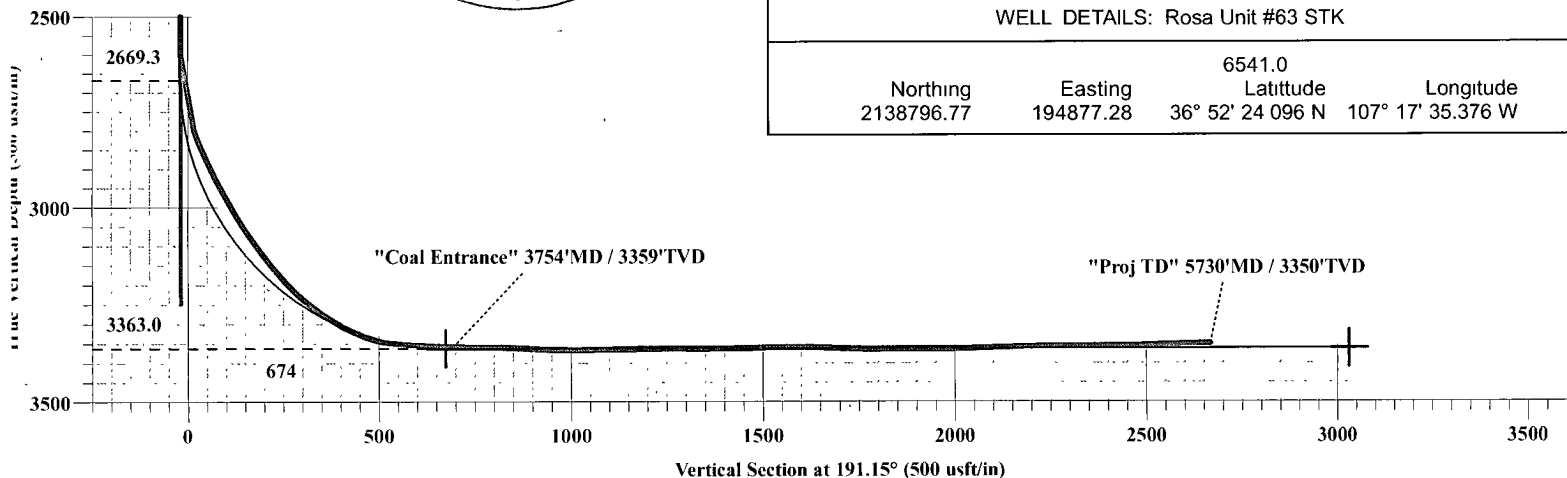
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
LAND-63	3363.0	-651.4	-182.2	2138147.39	194687.98	Point
TD-63	3363.0	-2963.6	-637.8	2135840.26	194207.17	Point

EOW
No Hardline Crossed



WELL DETAILS: Rosa Unit #63 STK

Northing	Easting	Latitude	Longitude
2138796.77	194877.28	36° 52' 24.096 N	107° 17' 35.376 W



SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
2670.0	1.31	281.84	2669.3	26.1	-32.6	0.00	0.00	-19.3	
3759.8	90.00	191.15	3363.0	-651.4	-182.2	8.26	-90.70	674.3	
6116.5	90.00	191.15	3363.0	-2963.6	-637.8	0.00	0.00	3031.0	TD-63

Plan: Design #3 (Rosa Unit #63 STK/STK)

Williams Energy

Rio Arriba Co. NM

Sec30 T31N-R4W - 63

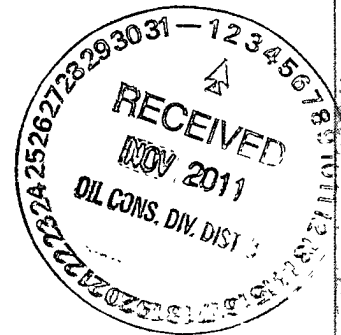
Rosa Unit #63 STK

STK

Design: STK

Standard Survey Report

10 October, 2011



Survey Report

Company:	Williams Energy	Local Co-ordinate Reference:	Site Sec30.T31N-R4W - 63
Project:	Rio Arriba Co NM	TVD Reference:	RIG @ 6555 0usft
Site:	Sec30.T31N-R4W - 63	MD Reference:	RIG @ 6555 0usft
Well:	Rosa Unit #63 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 - 63				
Site Position:		Northing:	2,138,796 76 usft	Latitude:	36° 52' 24 096 N
From:	Lat/Long	Easting:	194,877 29 usft	Longitude:	107° 17' 35 376 W
Position Uncertainty:	0 0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	-0 63 °

Well:	Rosa Unit #63 STK					
Well Position	+N/-S	0 0 usft	Northing:	2,138,796 76 usft	Latitude:	36° 52' 24 096 N
	+E/-W	0 0 usft	Easting:	194,877 29 usft	Longitude:	107° 17' 35 376 W
Position Uncertainty	0 0 usft	Wellhead Elevation:	usft	Ground Level:	6,541 0 usft	

Wellbore	STK				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	09/07/11	9 68	63 66	50,850

Design:	STK				
Audit Notes:					
Version:	1 0	Phase:	ACTUAL	Tie On Depth:	0 0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0 0	0 0	0 0	191 15	

Survey Program		Date	10/10/11		
From	To	Survey (Wellbore)	Tool Name	Description	
(usft)	(usft)				
200 0	5,730 0	Survey #1 (STK)	MWD	MWD - Standard	

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	0 51	34 09	200 0	0 7	0 5	-0 8	0 26	0 26	0 00
400 0	0 99	91 46	400 0	1 4	2 7	-1 9	0 42	0 24	28 69
600 0	0 30	136 75	600 0	1 0	4 8	-1 9	0 40	-0 35	22 65
800 0	0 24	330 37	800 0	1 0	5 0	-1 9	0 27	-0 03	-83 19
1,000 0	2 14	327 68	999 9	4 5	2 8	-5 0	0 95	0 95	-1 35
1,200 0	2 19	322 74	1,199 8	10 7	-1 6	-10 2	0 10	0 03	-2 47
1,400 0	1 63	313 66	1,399 7	15 7	-5 9	-14 3	0 32	-0 28	-4 54
1,600 0	1 35	312 74	1,599 6	19 3	-9 7	-17 0	0 14	-0 14	-0 46
1,800 0	1 47	301 92	1,799 5	22 2	-13 6	-19 2	0 15	0 06	-5 41

Survey Report

Company:	Williams Energy	Local Co-ordinate Reference:	Site Sec30 T31N-R4W - 63
Project:	Rio Arriba Co NM	TVD Reference:	RIG @ 6555 0usft
Site:	Sec30 T31N-R4W - 63	MD Reference:	RIG @ 6555 0usft
Well:	Rosa Unit #63 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	1 32	297 22	1,999 5	24 6	-17 8	-20 7	0 09	-0 08	-2 35
2,200 0	1 04	268 08	2,199 4	25 6	-21 7	-20 9	0 33	-0 14	-14 57
2,400 0	1 58	269 22	2,399 4	25 5	-26 3	-20 0	0 27	0 27	0 57
2,600 0	1 18	279 93	2,599 3	25 9	-31 1	-19 4	0 24	-0 20	5 36
2,802 0	19 79	187 33	2,797 3	-8 0	-37 5	15 2	9 84	9 21	-45 84
2,834 0	21 63	189 42	2,827 3	-19 2	-39 2	26 5	6 20	5 75	6 53
2,866 0	24 36	188 12	2,856 7	-31 6	-41 1	38 9	8 68	8 53	-4 06
2,898 0	25 24	188 86	2,885 8	-44 9	-43 1	52 4	2 92	2 75	2 31
2,930 0	25 68	188 54	2,914 7	-58 5	-45 2	66 1	1 44	1 38	-1 00
2,962 0	27 79	189 33	2,943 2	-72 7	-47 4	80 5	6 69	6 59	2 47
2,994 0	28 84	189 63	2,971 4	-87 7	-49 9	95 7	3 31	3 28	0 94
3,025 0	30 86	190 33	2,998 3	-102 9	-52 6	111 1	6 61	6 52	2 26
3,057 0	31 48	190 53	3,025 7	-119 1	-55 6	127 6	1 96	1 94	0 63
3,088 0	33 94	190 31	3,051 7	-135 6	-58 6	144 4	7 94	7 94	-0 71
3,120 0	34 38	189 92	3,078 2	-153 3	-61 8	162 4	1 54	1 38	-1 22
3,152 0	37 28	189 59	3,104 2	-171 8	-64 9	181 1	9 08	9 06	-1 03
3,184 0	37 90	190 07	3,129 5	-191 0	-68 3	200 6	2 14	1 94	1 50
3,216 0	39 31	191 94	3,154 5	-210 6	-72 1	220 6	5 72	4 41	5 84
3,248 0	41 50	193 14	3,178 9	-230 8	-76 6	241 3	7 26	6 84	3 75
3,280 0	44 49	194 30	3,202 3	-252 0	-81 8	263 1	9 66	9 34	3 63
3,311 0	48 28	195 51	3,223 7	-273 7	-87 5	285 5	12 55	12 23	3 90
3,343 0	51 97	195 79	3,244 2	-297 4	-94 2	310 0	11 55	11 53	0 88
3,375 0	54 78	194 86	3,263 3	-322 1	-101 0	335 6	9 09	8 78	-2 91
3,408 0	57 07	192 59	3,281 8	-348 7	-107 4	362 9	8 98	6 94	-6 88
3,437 0	59 36	192 35	3,297 0	-372 7	-112 8	387 5	7 93	7 90	-0 83
3,469 0	63 14	193 80	3,312 4	-400 1	-119 1	415 5	12 46	11 81	4 53
3,501 0	67 62	195 44	3,325 8	-428 2	-126 5	444 6	14 75	14 00	5 13
3,533 0	72 11	196 37	3,336 8	-457 1	-134 7	474 5	14 29	14 03	2 91
3,565 0	78 08	196 10	3,345 0	-486 8	-143 3	505 3	18 67	18 66	-0 84
3,597 0	84 15	195 51	3,349 9	-517 2	-151 9	536 8	19 06	18 97	-1 84
3,629 0	86 53	194 66	3,352 5	-548 0	-160 2	568 6	7 89	7 44	-2 66
3,661 0	86 61	194 81	3,354 5	-578 9	-168 4	600 5	0 53	0 25	0 47
3,692 0	86 61	194 79	3,356 3	-608 8	-176 3	631 4	0 06	0 00	-0 06
3,754 0	88 32	194 47	3,359 0	-668 7	-191 9	693 2	2 80	2 75	-0 52
"Coal Entrance" 3754 MD / 3359 TVD									
3,756 0	88 37	194 46	3,359 1	-670 6	-192 4	695 2	2 80	2 75	-0 52
3,820 0	90 04	189 90	3,360 0	-733 2	-205 9	759 2	7 59	2 61	-7 13
3,883 0	89 43	188 10	3,360 3	-795 4	-215 8	822 1	3 02	-0 97	-2 86
3,946 0	86 00	187 60	3,362 8	-857 7	-224 4	884 9	5 50	-5 44	-0 79
4,010 0	87 67	189 84	3,366 3	-920 9	-234 0	948 8	4 36	2 61	3 50
4,074 0	91 01	194 44	3,367 1	-983 4	-247 5	1,012 7	8 88	5 22	7 19
4,138 0	91 01	194 92	3,365 9	-1,045 3	-263 7	1,076 6	0 75	0 00	0 75
4,201 0	90 75	192 46	3,365 0	-1,106 5	-278 6	1,139 5	3 93	-0 41	-3 90
4,265 0	91 28	192 08	3,363 8	-1,169 1	-292 2	1,203 5	1 02	0 83	-0 59

Survey Report

Company:	Williams Energy	Local Co-ordinate Reference:	Site Sec30 T31N-R4W - 63
Project:	Rio Arriba Co NM	TVD Reference:	RIG @ 6555 0usft
Site:	Sec30 T31N-R4W - 63	MD Reference:	RIG @ 6555 0usft
Well:	Rosa Unit #63: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)
4,329 0	89 34	189 39	3,363 5	-1,231 9	-304 1	1,267 5	5 18	-3 03	-4 20
4,392 0	90 22	187 45	3,363 7	-1,294 3	-313 4	1,330 4	3 38	1 40	-3 08
4,457 0	90 57	187 70	3,363 3	-1,358 7	-321 9	1,395 3	0 66	0 54	0 38
4,520 0	91 36	189 49	3,362 2	-1,421 0	-331 3	1,458 2	3 11	1 25	2 84
4,584 0	90 92	188 71	3,360 9	-1,484 1	-341 5	1,522 2	1 40	-0 69	-1 22
4,647 0	90 92	189 34	3,359 9	-1,546 4	-351 3	1,585 1	1 00	0 00	1 00
4,711 0	87 67	191 03	3,360 7	-1,609 3	-362 7	1,649 1	5 72	-5 08	2 64
4,773 0	88 02	192 16	3,363 1	-1,670 0	-375 1	1,711 0	1 91	0 56	1 82
4,837 0	88 99	192 15	3,364 7	-1,732 6	-388 6	1,775 0	1 52	1 52	-0 02
4,902 0	91 89	191 76	3,364 2	-1,796 2	-402 0	1,840 0	4 50	4 46	-0 60
4,966 0	88 20	188 80	3,364 2	-1,859 1	-413 5	1,904 0	7 39	-5 77	-4 63
5,030 0	91 36	188 91	3,364 4	-1,922 3	-423 3	1,967 9	4 94	4 94	0 17
5,094 0	91 80	190 24	3,362 7	-1,985 4	-434 0	2,031 9	2 19	0 69	2 08
5,159 0	91 63	190 65	3,360 7	-2,049 3	-445 7	2,096 8	0 68	-0 26	0 63
5,222 0	92 24	191 33	3,358 6	-2,111 1	-457 7	2,159 8	1 45	0 97	1 08
5,285 0	90 57	191 01	3,357 0	-2,172 9	-469 9	2,222 8	2 70	-2 65	-0 51
5,349 0	90 92	191 03	3,356 2	-2,235 7	-482 2	2,286 8	0 55	0 55	0 03
5,413 0	89 16	190 77	3,356 2	-2,298 6	-494 3	2,350 8	2 78	-2 75	-0 41
5,476 0	90 40	192 31	3,356 4	-2,360 3	-506 9	2,413 8	3 14	1 97	2 44
5,540 0	91 54	191 83	3,355 3	-2,422 9	-520 3	2,477 7	1 93	1 78	-0 75
5,604 0	91 98	191 52	3,353 4	-2,485 5	-533 2	2,541 7	0 84	0 69	-0 48
5,667 0	91 28	191 93	3,351 6	-2,547 2	-546 0	2,604 7	1 29	-1 11	0 65
5,730 0	91 28	191 93	3,350 2	-2,608 8	-559 0	2,667 6	0 00	0 00	0 00
"Proj TD" 5730'MD / 3350'TVD									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,754 0	3,359 0	-668 7	-191 9	"Coal Entrance" 3754'MD / 3359'TVD
5,730 0	3,350 2	-2,608 8	-559 0	"Proj TD" 5730'MD / 3350'TVD

Checked By: _____	Approved By _____	Date: _____
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