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

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
30-039-29367	71629	BASIN FRUITLAND COAL

[4] Property Code	[5] Property Name	[6] Well Number
17033	ROSA UNIT	383

[7] OGRID No.	[8] Operator Name	[9] Elevation
120782	WILLIAMS PRODUCTION COMPANY	6633'

[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
P	29	31N	4W		1031	SOUTH	1107	EAST	RIO ARRIBA

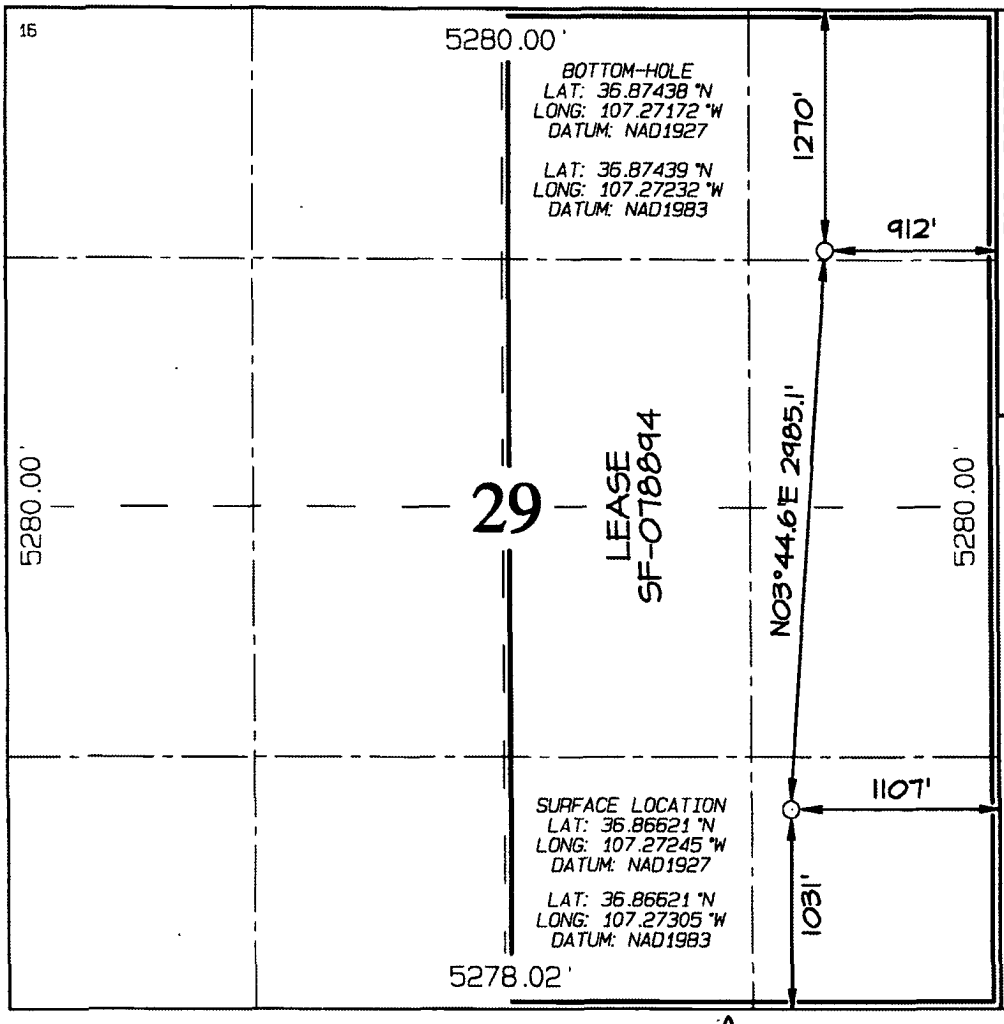
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	29	31N	4W		1270	NORTH	912	EAST	RIO ARRIBA

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

RCVD SEP 8'11
OIL CONS. DIV.

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: 9/7/2011

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 7, 2011
Date of Survey: JULY 10, 2011

Signature and Seal of Professional Surveyor

JASON C. EDWARDS
NEW MEXICO
15269
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS
Certificate Number 15269

Williams Energy

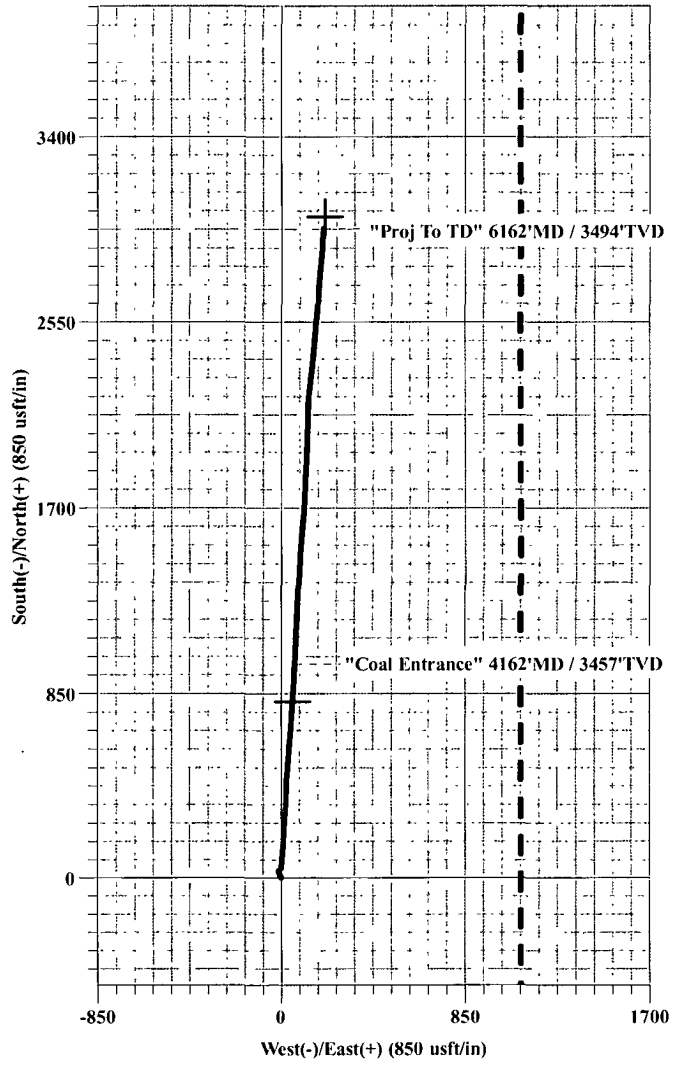
Rosa Unit #383 Stk-2
Sec29 T31N-R4W - 383
Rio Arriba Co. NM
GL: 6633' KB: 14'

PATHFINDER®
A Schlumberger Company

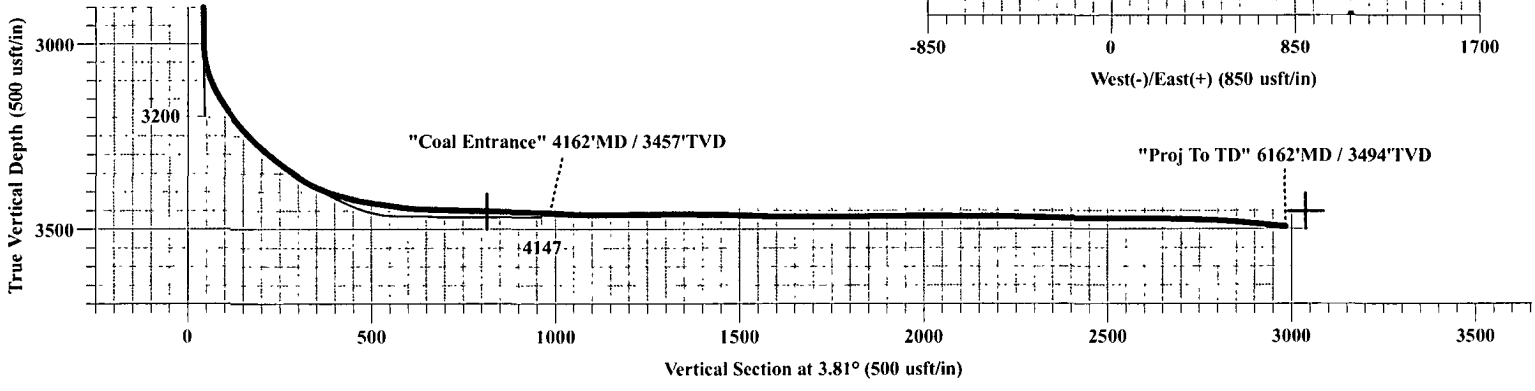
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Land-383	3453.0	814 2	54.2	2136941 76	200970.17	Point
TD-383	3453.0	3032.8	201.8	2139158.67	201141.54	Point

EOW
No Hardline Crossed



WELL DETAILS Rosa Unit #383 Stk			
		6633.0	
Northing	Easting	Latittude	Longitude
2136128 19	200907 24	36° 51' 58 356 N	107° 16' 20 820 W



SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
3400 0	53 06	4.14	3325 3	250 7	13 8	0.00	0 00	251 1	
3640 4	79.50	4 26	3421 1	468 2	29 8	11 00	0 25	469 2	
3989 1	90 00	3.81	3453 0	814 2	54 2	3 01	-2 48	816 0	Land-383
6212 6	90 00	3.81	3453 0	3032.8	201 8	0 00	0 00	3039 5	

Plan: Design #2 (Rosa Unit #383 Stk/STK-2)

Created By: Frank C. Scardino Date: 8/18/2011

Williams Energy

Rio Arriba Co. NM
Sec29 T31N-R4W - 383
Rosa Unit #383 Stk

STK-2

Design: STK-2

Standard Survey Report

30 August, 2011

Survey Report

Company:	Williams Energy	**Local Co-ordinate Reference:**	Site Sec29 T31N-R4W - 383
Project:	Rio Arriba Co NM	**TVD Reference:**	WELL @ 6647 0usft (Original Well Elev)
Site:	Sec29 T31N-R4W - 383	**MD Reference:**	WELL @ 6647 0usft (Original Well Elev)
Well:	Rosa Unit #383 Stk	**North Reference:**	True
Wellbore:	STK-2	**Survey Calculation Method:**	Minimum Curvature
Design:	STK-2	**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 Sec29 T31N-R4W - 383

Site Position:		**Northing:**	2,136,128 18 usft	**Latitude:**	36° 51' 58 356 N
From:	Lat/Long	**Easting:**	200,907 24 usft	**Longitude:**	107° 16' 20 820 W
Position Uncertainty:	0 0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	-0 61 °

Well Rosa Unit #383 Stk

Well Position	**+N/-S**	0 0 usft	**Northing:**	2,136,128 18 usft	**Latitude:**	36° 51' 58 356 N
	+E/-W	0 0 usft	**Easting:**	200,907 24 usft	**Longitude:**	107° 16' 20 820 W
Position Uncertainty		0 0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	6,633 0 usft

Wellbore STK-2

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	08/22/11	9 68	63 66	50,852

Design STK-2

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	3 81

Survey Program **Date** 08/30/11

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
200 0	6,162 0	Survey #1 (STK-2)	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	0 68	334 78	200 0	1 1	-0 5	1 0	0 34	0 34	0 00
400 0	1 64	336 70	400 0	4 8	-2 1	4 6	0 48	0 48	0.96
600 0	1 90	337.98	599 9	10 5	-4 5	10 2	0 13	0 13	0.64
800.0	1 33	337 98	799 8	15 7	-6 6	15 2	0.29	-0.29	0 00
1,000 0	0 85	341 05	999 7	19 3	-8 0	18 7	0 24	-0.24	1 54
1,200 0	0 69	350 88	1,199 7	21 9	-8 7	21 2	0 10	-0 08	4 92
1,400.0	0 59	319 89	1,399 7	23 8	-9 5	23 1	0 18	-0 05	-15 50
1,600 0	0 64	348 14	1,599 7	25 7	-10 4	25 0	0 15	0 03	14 13
1,800 0	0 80	322 78	1,799.7	27 9	-11 5	27 1	0 18	0 08	-12 68

Survey Report

Company:	Williams Energy	**Local Co-ordinate Reference:**	Site Sec29 T31N-R4W - 383
Project:	Rio Arriba Co NM	**TVD Reference:**	WELL @ 6647.0usft (Original Well Elev)
Site:	Sec29 T31N-R4W - 383	**MD Reference:**	WELL @ 6647 0usft (Original Well Elev)
Well:	Rosa Unit #383 Stk	**North Reference:**	True
Wellbore:	STK-2	**Survey Calculation Method:**	Minimum Curvature
Design:	STK-2	**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 84	287 26	1,999.7	29 5	-13 7	28 5	0 25	0 02	-17 76
2,200.0	0 65	28 34	2,199 7	30 9	-14 6	29 9	0 58	-0 10	50 54
2,400 0	2 20	49 03	2,399 6	34 4	-11 1	33 6	0 80	0 78	10 35
2,600 0	1 60	44 14	2,599 5	38 9	-6 3	38 4	0 31	-0 30	-2 45
2,800 0	1 19	50.58	2,799 4	42.3	-2 8	42 0	0 22	-0 21	3 22
3,000 0	0 44	64 31	2,999 4	43.9	-0.5	43.8	0 38	-0 38	6.87
3,099 0	20 75	3.77	3,096 2	61 8	1 1	61 7	20 74	20 52	-61 15
3,131 0	27 08	3 25	3,125 5	74 7	1.8	74 7	19 79	19 78	-1 63
3,163 0	31 13	5 44	3,153 4	90.2	3 0	90 2	13 08	12.66	6.84
3,195 0	34 82	4.32	3,180 3	107 6	4.5	107 6	11 69	11 53	-3 50
3,226 0	37 46	4 15	3,205 3	125.8	5 9	125 9	8 52	8 52	-0 55
3,258 0	40 80	4.12	3,230 1	145 9	7 3	146 1	10 44	10 44	-0 09
3,290 0	44 67	3 21	3,253 6	167 6	8 7	167 8	12 25	12 09	-2 84
3,321 0	47 40	3 00	3,275 1	189.9	9 9	190 1	8 82	8 81	-0 68
3,353 0	49 77	3 24	3,296 3	213 8	11 2	214.1	7 43	7.41	0.75
3,385 0	52 94	4.60	3,316 3	238 8	12 9	239 1	10 45	9.91	4.25
3,417 0	53 20	3 63	3,335 5	264 3	14 8	264 7	2 56	0 81	-3.03
3,449.0	55 49	3 69	3,354 2	290.2	16 4	290 7	7 16	7 16	0 19
3,480 0	58 04	4.64	3,371 1	316 1	18.3	316 6	8 62	8 23	3 06
3,514 0	65 60	3 84	3,387 2	346 0	20 5	346 6	22 33	22 24	-2 35
3,546 0	71 05	1 35	3,399 0	375 6	21.8	376 3	18 50	17.03	-7 78
3,578 0	72 90	0 98	3,408 9	406 1	22 5	406 7	5 88	5 78	-1 16
3,610 0	76 24	2 19	3,417 4	436 9	23 3	437 5	11 06	10 44	3 78
3,640 0	78 00	5 51	3,424 1	466 1	25 3	466 7	12 28	5 87	11 07
3,672 0	80 37	6 23	3,430 1	497 3	28 5	498 1	7.73	7 41	2 25
3,704 0	82 66	4 48	3,434 8	528 8	31 5	529 8	8 97	7 16	-5 47
3,736 0	82 57	2 95	3,438 9	560 5	33 5	561 5	4 75	-0 28	-4 78
3,768.0	84.06	4.91	3,442 7	592 2	35 7	593 3	7 66	4 66	6 13
3,832 0	88 02	4 77	3,447 1	655 8	41 1	657 1	6 19	6 19	-0 22
3,896 0	88 02	4 35	3,449 3	719 6	46 2	721.1	0 66	0 00	-0 66
3,960 0	88 55	4 58	3,451 2	783 4	51 1	785.0	0 90	0.83	0.36
4,024 0	88.11	4 17	3,453 1	847 1	56 0	849 0	0 94	-0 69	-0.64
4,088 0	88 29	2 00	3,455 1	911 0	59 5	913 0	3 40	0 28	-3.39
4,152 0	87 67	2 30	3,457 3	974.9	61.9	976 9	1 08	-0 97	0 47
4,162.0	87 63	2.42	3,457 8	984 9	62 3	986 9	1 29	-0 40	1 23
"Coal Entrance" 4162'MD / 3457'TVD									
4,217 0	87 41	3.10	3,460 1	1,039 8	64 9	1,041 8	1 29	-0 40	1 23
4,281 0	89 34	1 46	3,462 0	1,103 7	67 5	1,105 8	3 96	3 02	-2.56
4,345 0	90 75	4 07	3,461 9	1,167.6	70.6	1,169 7	4 64	2 20	4 08
4,409 0	89 96	3 36	3,461 5	1,231 5	74 7	1,233 7	1 66	-1 23	-1.11
4,473 0	91 10	2 79	3,460 9	1,295.4	78 1	1,297 7	1 99	1.78	-0 89
4,537 0	89 78	2.80	3,460 4	1,359 3	81 3	1,361 7	2 06	-2 06	0 02
4,601 0	88 81	3.72	3,461.2	1,423 2	84 9	1,425 7	2 09	-1 52	1.44
4,665 0	88 29	2 91	3,462 8	1,487 1	88 6	1,489 7	1 50	-0.81	-1.27

Survey Report

Company:	Williams Energy	**Local Co-ordinate Reference:**	Site Sec29 T31N-R4W - 383
Project:	Rio Arriba Co NM	**TVD Reference:**	WELL @ 6647 0usft (Original Well Elev)
Site:	Sec29 T31N-R4W - 383	**MD Reference:**	WELL @ 6647 0usft (Original Well Elev)
Well:	Rosa Unit #383 Stk	**North Reference:**	True
Wellbore:	STK-2	**Survey Calculation Method:**	Minimum Curvature
Design:	STK-2	**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)
4,729 0	88 11	6 06	3,464 8	1,550 9	93 6	1,553 6	4 93	-0 28	4 92
4,791 0	89 43	3 29	3,466 2	1,612 6	98 6	1,615 6	4 95	2 13	-4 47
4,855 0	89 60	5 50	3,466 7	1,676 4	103 5	1,679 6	3.46	0 27	3 45
4,919 0	89 96	1 59	3,467 0	1,740.3	107 5	1,743.6	6 14	0 56	-6 11
4,983.0	90 48	3 35	3,466 7	1,804 2	110 3	1,807.6	2 87	0 81	2.75
5,047 0	90 66	3 88	3,466 1	1,868 1	114 3	1,871.6	0 87	0 28	0 83
5,111 0	91 10	3 12	3,465 1	1,932 0	118 2	1,935 6	1 37	0 69	-1 19
5,173 0	90 22	0 33	3,464 4	1,993 9	120 1	1,997 5	4 72	-1 42	-4 50
5,236.0	89 43	2 66	3,464 6	2,056 9	121 7	2,060 4	3 91	-1 25	3 70
5,300.0	88 81	1 52	3,465 6	2,120 9	124 0	2,124 4	2 03	-0 97	-1 78
5,364 0	90 40	2 78	3,466 0	2,184 8	126 4	2,188 4	3 17	2 48	1.97
5,428 0	88 55	7 08	3,466 6	2,248 5	131 9	2,252 3	7 31	-2 89	6 72
5,492 0	87 32	7 76	3,468 9	2,312 0	140 2	2,316 2	2 20	-1 92	1 06
5,556 0	88.72	5 87	3,471 1	2,375 5	147 8	2,380 0	3 67	2 19	-2 95
5,620 0	90 22	4 16	3,471 7	2,439 2	153 4	2,444 0	3 55	2 34	-2 67
5,684 0	89 34	3 98	3,471 9	2,503 1	157 9	2,508.0	1 40	-1 38	-0 28
5,748 0	89 25	7 14	3,472 7	2,566 7	164 1	2,572 0	4 94	-0 14	4 94
5,811 0	89 69	2 32	3,473 3	2,629 5	169 3	2,635 0	7 68	0 70	-7 65
5,875 0	88 99	4 24	3,474 0	2,693 4	173 0	2,698 9	3 19	-1 09	3 00
5,940 0	88 20	3 41	3,475 6	2,758 2	177 3	2,763 9	1 76	-1 22	-1 28
6,004 0	86 00	6 62	3,478 9	2,821 9	182 9	2,827.8	6 07	-3 44	5 02
6,067 0	84 33	4 08	3,484 2	2,884 4	188 8	2,890 6	4 81	-2 65	-4 03
6,111 0	84 15	3 64	3,488 6	2,928 1	191 7	2,934 3	1 08	-0 41	-1 00
6,162 0	84 15	3 64	3,493 8	2,978 7	194 9	2,985 1	0 00	0 00	0 00
"Proj To TD" 6162'MD / 3494'TVD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
4,162 0	3,457 8	984 9	62 3	"Coal Entrance" 4162'MD / 3457'TVD
6,162 0	3,493 8	2,978 7	194 9	"Proj To TD" 6162'MD / 3494'TVD

Checked By _____ Approved By _____ Date. _____