



NM OIL CONSERVATION
ARTESIA DISTRICT

APR 11 2018

RECEIVED



Janie Conner 13-24S-28E RB No. 223H
Eddy County, NM

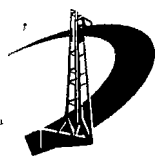
January 17, 2018

30-015-44239

Job No. LNM5157717

ORIGINAL

Survey Completion Report



PRODIRECTIONAL

Survey Certification Letter

January 17, 2018

NM OIL CONSERVATION
ARTESIA DISTRICT

APR 11 2018

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Operator Name	Matador Resources
Well Name	Janie Conner 13-24S-28E RB No 223H
County/Parish	Eddy County,
State	NM
Rig Name	Patterson 274
Job Number	LNM5157717

This is to certify the surveys performed on the referenced well by Professional Directional Ent , Inc are true and correct
MWD Surveys data provided as follows

Surveyor	Surveyed Depths	Projection to Bit	Dates Performed	Type of Survey
ProDirectional	141' MD – 15 711' MD	15 777' MD	11/18/17 – 12/22/17	MWD-OWSG

Sincerely,

Mike Coats

Mike Coats
Regulatory Specialist
Professional Directional

850 Conroe Park West Drive | Conroe, TX 77303 | Phone 936 441 7266

prodirectional.com

The Standard of Excellence in Directional Supervision



Matador Resources

**Eddy County, NM
Janie Conner 13-24S-28E RB
No. 223H
OH**

Survey ProDirectional

Survey Report

17 January, 2018

**NM OIL CONSERVATION
ARTESIA DISTRICT**

APR 11 2018

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ProDirectional
Survey Report



Company	Matador Resources	Local Co-ordinate Reference	Well No 223H
Project	Eddy County NM(NAD 83)	TVD Reference	Well @ 3002 00usft
Site	Janie Conner 13-24S-28E RB	MD Reference	Well @ 3002 00usft
Well	No 223H	North Reference	Grid
Wellbore	OH	Survey Calculation Method	Minimum Curvature
Design	MWD	Database	WellPlanner1

Project	Eddy County NM(NAD 83)		
Map System	US State Plane 1983	System Datum	Mean Sea Level
Geo Datum	North American Datum 1983		
Map Zone	New Mexico Eastern Zone		

Site	Janie Conner 13-24S-28E RB		
Site Position		Northing	441 915 00 usft
From	Map	Easting	628 984 00 usft
Position Uncertainty	0 00 usft	Slot Radius	13-3/16
		Latitude	32 214583
		Longitude	104 049930
		Grid Convergence	0 15 °

Well	No 223H					
Well Position	+N/-S	0 00 usft	Northing	441 945 00 usft	Latitude	32 214666
	+E/-W	0 00 usft	Easting	628 983 00 usft	Longitude	-104 049933
Position Uncertainty	0 00 usft		Wellhead Elevation	usft	Ground Level	2 974 00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	9/13/2017	7 23	60 02	48 081 00

Design	MWD				
Audit Notes					
Version	1 0	Phase	ACTUAL	Tie On Depth	0 00
Vertical Section	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0 00	0 00	0 00	90 33	

Survey Program		Date	1/17/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
141 00	15 777 00	Survey #1 (OH)	MWD+HDGM	OWSG MWD + HRGM	



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Well	No 223H	North Reference	Grid
Wellbore	OH	Survey Calculation Method	Minimum Curvature
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Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	441 945 00	628 983 00
141 00	0 60	251 60	141 00	-0 70	-0 23	-0 70	0 74	251 60	441 944 77	628 982 30
Pro MWD First Survey 141 MD										
233 00	0 80	277 00	232 99	-1 79	-0 31	-1 80	1 82	260 30	441 944 69	628 981 20
324 00	0 50	260 40	323 98	-2 82	-0 30	-2 82	2 83	264 01	441 944 70	628 980 18
510 00	1 20	233 00	509 96	-5 16	-1 60	-5 17	5 42	252 78	441 943 40	628 977 83
545 00	1 60	233 20	544 95	-5 84	-2 12	-5 86	6 23	250 13	441 942 88	628 977 14
692 00	2 80	249 80	691 84	-10 84	-4 59	-10 87	11 80	247 13	441 940 41	628 972 13
879 00	2 40	254 80	878 65	-18 89	-7 19	-18 93	20 25	249 21	441 937 81	628 964 07
1 069 00	1 50	300 90	1 068 55	-24 87	-6 96	-24 91	25 86	254 40	441 938 04	628 958 09
1 261 00	2 60	339 70	1 260 43	-28 57	-1 58	-28 58	28 62	266 84	441 943 42	628 954 42
1 452 00	3 80	344 50	1 451 13	-31 82	8 58	-31 77	32 91	285 12	441 953 58	628 951 23
1 642 00	4 90	355 50	1 640 58	-34 22	22 74	-34 09	40 98	303 71	441 967 74	628 948 91
1 832 00	3 10	358 20	1 830 11	-35 09	35 97	-34 89	50 11	315 87	441 980 97	628 948 11
2 022 00	3 50	14 60	2 019 80	-33 86	46 71	-33 59	57 53	324 28	441 991 71	628 949 41
2 213 00	4 60	357 10	2 210 33	-32 85	60 00	-32 50	68 24	331 56	442 005 00	628 950 50
2 403 00	4 80	13 00	2 399 70	-31 54	75 36	-31 10	81 53	337 57	442 020 36	628 951 90
2 593 00	4 80	355 50	2 589 04	-30 46	91 03	-29 94	95 83	341 80	442 036 03	628 953 06
2 704 00	4 30	358 40	2 699 69	-30 99	99 82	-30 42	104 35	343 05	442 044 82	628 952 58
2 879 00	3 50	355 00	2 874 29	-31 71	111 70	-31 07	115 94	344 46	442 056 70	628 951 93
3 069 00	5 20	347 40	3 063 73	-34 18	125 88	-33 45	130 25	345 12	442 070 88	628 949 55
3 260 00	6 20	342 60	3 253 79	-39 25	144 17	-38 42	149 20	345 08	442 089 17	628 944 58
3 450 00	5 90	341 50	3 442 73	-45 53	163 22	-44 59	169 20	344 72	442 108 22	628 938 41
3 641 00	4 90	337 60	3 632 88	-51 85	180 07	-50 81	187 11	344 24	442 125 07	628 932 19
3 831 00	4 90	337 10	3 822 19	-58 19	195 05	-57 06	203 23	343 69	442 140 05	628 925 94
4 022 00	4 80	334 20	4 012 50	-64 92	209 76	-63 72	219 22	343 10	442 154 76	628 919 28
4 213 00	4 30	328 70	4 202 90	-72 20	223 07	-70 91	234 07	342 36	442 168 07	628 912 09



ProDirectional
Survey Report



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Well	No 223H	North Reference	Gnd
Wellbore	OH	Survey Calculation Method	Minimum Curvature
Design	MWD	Database	WellPlanner1

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)	
4 404 00	3 90	325 40	4 393 41	-79 67	234 54	-78 32	247 27	341 53	442 179 54	628 904 68	
4 594 00	5 20	337 30	4 582 81	-86 74	247 80	-85 31	262 08	341 00	442 192 80	628 897 69	
4 784 00	5 00	338 90	4 772 06	-93 13	263 47	-91 62	278 94	340 83	442 208 47	628 891 38	
4 975 00	5 20	336 00	4 962 30	-99 74	279 14	-98 13	295 89	340 63	442 224 14	628 884 87	
5 166 00	3 70	332 30	5 152 72	-106 20	292 51	-104 52	310 62	340 34	442 237 51	628 878 48	
5 356 00	3 50	354 90	5 342 36	-109 63	303 71	-107 89	322 30	340 44	442 248 71	628 875 11	
5 547 00	3 00	6 30	5 533 05	-109 67	314 49	-107 86	332 47	341 07	442 259 49	628 875 14	
5 738 00	2 70	8 80	5 723 82	108 48	323 90	-106 62	341 00	341 78	442 268 90	628 876 38	
5 928 00	2 90	347 40	5 913 59	108 90	333 01	-106 98	349 78	342 19	442 278 01	628 876 02	
6 119 00	2 10	335 60	6 104 41	-111 44	340 92	-109 48	358 06	342 20	442 285 92	628 873 52	
6 310 00	2 80	353 50	6 295 24	-113 46	348 74	-111 46	366 12	342 28	442 293 74	628 871 54	
6 500 00	2 50	336 00	6 485 04	-115 72	357 14	-113 67	374 79	342 35	442 302 14	628 869 33	
6 690 00	1 90	292 50	6 674 91	-120 35	362 13	-118 26	380 95	341 91	442 307 13	628 864 74	
6 881 00	0 10	323 70	6 865 87	-123 38	363 47	-121 29	383 18	341 55	442 308 47	628 861 71	
7 072 00	0 50	164 10	7 056 87	-123 24	362 81	-121 16	382 50	341 53	442 307 81	628 861 84	
7 263 00	1 90	244 40	7 247 83	-125 86	360 64	-123 78	381 29	341 06	442 305 64	628 859 22	
7 453 00	0 80	247 00	7 437 78	-129 91	358 76	-127 85	380 86	340 39	442 303 76	628 855 15	
7 643 00	2 30	198 20	7 627 71	-132 30	354 62	-130 26	377 78	339 83	442 299 62	628 852 74	
7 834 00	1 90	144 10	7 818 60	-131 60	348 41	-129 60	371 73	339 60	442 293 41	628 853 40	
8 024 00	2 40	121 80	8 008 47	-126 35	343 76	-124 37	365 57	340 11	442 288 76	628 858 63	
8 215 00	2 50	113 70	8 199 29	-119 11	339 98	-117 16	359 60	340 99	442 284 98	628 865 84	
8 406 00	1 80	84 30	8 390 16	-112 31	338 60	-110 36	356 13	341 95	442 283 60	628 872 64	
8 596 00	1 90	32 70	8 580 08	-107 65	341 55	-105 69	357 53	342 81	442 286 55	628 877 31	
8 785 00	2 20	343 40	8 768 97	-107 03	347 66	-105 03	363 18	343 19	442 292 66	628 877 97	
8 975 00	2 60	320 20	8 958 81	-110 87	354 47	-108 83	370 80	342 93	442 299 47	628 874 17	
9 165 00	0 50	127 80	9 148 75	-112 99	357 27	-110 93	374 10	342 75	442 302 27	628 872 07	
9 355 00	0 70	185 80	9 338 74	-112 44	355 61	-110 40	372 35	342 75	442 300 61	628 872 60	



ProDirectional
Survey Report



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Well	No 223H	North Reference	Grnd
Wellbore	OH	Survey Calculation Method	Minimum Curvature
Design	MWD	Database	WellPlanner1

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
9 544 00	1 20	194 20	9 527 72	-113 03	352 54	-111 00	369 61	342 52	442 297 54	628 872 00
9 734 00	1 10	184 30	9 717 68	-113 63	348 80	-111 62	366 22	342 25	442 293 80	628 871 38
9 926 00	0 80	175 60	9 909 65	-113 65	345 62	-111 66	363 21	342 10	442 290 62	628 871 34
10 021 00	0 30	250 80	10 004 65	-113 83	344 88	-111 84	362 56	342 03	442 289 88	628 871 16
10 123 00	5 40	76 10	10 106 50	-109 42	345 95	-107 43	362 24	342 75	442 290 95	628 875 57
10 155 00	9 50	81 60	10 138 23	-105 35	346 69	-103 36	361 77	343 40	442 291 69	628 879 64
10 187 00	13 10	82 40	10 169 60	-99 15	347 56	-97 15	360 88	344 38	442 292 56	628 885 85
10 218 00	15 60	82 10	10 199 63	-91 54	348 60	-89 54	359 91	345 60	442 293 60	628 893 46
10 250 00	18 30	80 90	10 230 24	-82 33	349 98	-80 31	359 08	347 08	442 294 98	628 902 69
10 282 00	21 50	79 30	10 260 32	-71 61	351 87	-69 59	358 68	348 81	442 296 87	628 913 41
10 314 00	24 40	76 10	10 289 79	-59 45	354 54	-57 40	359 16	350 80	442 299 54	628 925 60
10 346 00	27 70	79 90	10 318 54	-45 72	357 44	-43 66	360 09	353 04	442 302 44	628 939 34
10 378 00	30 80	87 30	10 346 46	-30 21	359 13	-28 15	360 23	355 52	442 304 13	628 954 85
10 410 00	34 80	92 50	10 373 36	-12 90	359 12	-10 83	359 28	358 27	442 304 12	628 972 17
10 441 00	38 60	93 90	10 398 21	5 60	358 07	7 66	358 15	1 23	442 303 07	628 990 66
10 473 00	41 60	93 40	10 422 69	26 17	356 76	28 23	357 88	4 52	442 301 76	629 011 23
10 505 00	43 60	92 70	10 446 24	47 81	355 61	49 86	359 09	7 98	442 300 61	629 032 86
10 537 00	44 70	92 30	10 469 20	70 08	354 64	72 13	361 90	11 50	442 299 64	629 055 13
10 568 00	46 20	92 00	10 490 95	92 16	353 81	94 20	366 14	14 91	442 298 81	629 077 20
10 600 00	49 10	90 90	10 512 50	115 80	353 22	117 84	372 36	18 45	442 298 22	629 100 84
10 632 00	51 70	88 90	10 532 90	140 46	353 27	142 49	380 93	21 97	442 298 27	629 125 49
10 663 00	54 20	88 00	10 551 58	165 18	353 94	167 22	391 46	25 29	442 298 94	629 150 22
10 695 00	56 00	87 80	10 569 88	191 40	354 91	193 45	404 20	28 59	442 299 91	629 176 45
10 727 00	57 80	88 60	10 587 36	218 19	355 75	220 24	418 40	31 76	442 300 75	629 203 24
10 758 00	58 60	88 40	10 603 69	244 52	356 44	246 58	433 41	34 68	442 301 44	629 229 58
10 790 00	58 60	88 70	10 620 37	271 82	357 13	273 88	450 06	37 48	442 302 13	629 256 88
10 872 00	64 20	89 00	10 659 60	343 76	358 57	345 83	498 17	43 96	442 303 57	629 328 83



ProDirectional Survey Report



Company	Matador Resources	Local Co-ordinate Reference	Well No 223H
Project	Eddy County NM(NAD 83)	TVD Reference	Well @ 3002 00usft
Site	Janie Conner 13-24S-28E RB	MD Reference	Well @ 3002 00usft
Well	No 223H	North Reference	Grid
Wellbore	OH	Survey Calculation Method	Minimum Curvature
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Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
10 903 00	66 80	88 90	10 672 46	371 96	359 08	374 04	518 50	46 17	442 304 08	629 357 04
10 934 00	69 60	86 30	10 683 97	400 71	360 29	402 79	540 42	48 19	442 305 29	629 385 79
10 965 00	72 70	84 60	10 693 99	429 93	362 63	432 03	564 04	49 99	442 307 63	629 415 03
10 997 00	76 40	82 80	10 702 51	460 56	366 01	462 68	589 95	51 65	442 311 01	629 445 68
11 028 00	77 60	82 10	10 709 48	490 48	369 98	492 62	616 09	53 09	442 314 98	629 475 62
11 060 00	80 30	82 90	10 715 62	521 59	374 08	523 76	643 63	54 46	442 319 08	629 506 76
11 091 00	81 20	83 60	10 720 60	551 95	377 68	554 14	670 60	55 72	442 322 68	629 537 14
11 122 00	84 90	84 90	10 724 35	582 55	380 76	584 75	697 79	56 93	442 325 76	629 567 75
11 154 00	89 60	87 20	10 725 89	614 41	382 96	616 63	725 87	58 16	442 327 96	629 599 63
11 248 00	91 70	89 20	10 724 82	708 33	385 91	710 56	808 60	61 49	442 330 91	629 693 56
11 342 00	91 90	93 10	10 721 87	802 26	384 02	804 48	891 44	64 48	442 329 02	629 787 48
11 373 00	91 10	93 90	10 721 05	833 20	382 13	835 41	918 66	65 42	442 327 13	629 818 41
11 404 00	90 70	94 30	10 720 57	864 13	379 92	866 33	945 97	66 32	442 324 92	629 849 33
11 436 00	88 20	97 30	10 720 87	895 97	376 68	898 16	973 95	67 25	442 321 68	629 881 16
11 467 00	85 30	99 40	10 722 63	926 62	372 19	928 77	1 000 57	68 16	442 317 19	629 911 77
11 498 00	84 20	100 00	10 725 47	957 07	366 99	959 20	1 027 01	69 06	442 311 99	629 942 20
11 529 00	82 90	99 40	10 728 95	987 47	361 80	989 57	1 053 63	69 92	442 306 80	629 972 57
11 561 00	81 50	97 50	10 733 29	1 018 85	357 14	1 020 92	1 081 59	70 72	442 302 14	630 003 92
11 623 00	79 30	94 70	10 743 63	1 079 66	350 64	1 081 70	1 137 11	72 04	442 295 64	630 064 70
11 655 00	79 50	92 50	10 749 52	1 111 06	348 67	1 113 09	1 166 42	72 61	442 293 67	630 096 09
11 686 00	79 50	92 00	10 755 17	1 141 52	347 47	1 143 54	1 195 17	73 10	442 292 47	630 126 54
11 717 00	80 50	91 30	10 760 55	1 172 04	346 59	1 174 06	1 224 15	73 55	442 291 59	630 157 06
11 811 00	86 00	87 00	10 771 60	1 265 31	347 99	1 267 34	1 314 25	74 65	442 292 99	630 250 34
11 905 00	85 10	85 30	10 778 90	1 358 78	354 29	1 360 84	1 406 20	75 41	442 299 29	630 343 84
11 999 00	95 10	92 20	10 778 73	1 452 57	356 33	1 454 64	1 497 65	76 24	442 301 33	630 437 64
12 093 00	94 80	91 90	10 770 62	1 546 17	352 98	1 548 23	1 587 96	77 16	442 297 98	630 531 23
12 187 00	91 00	89 80	10 765 87	1 640 03	351 59	1 642 08	1 679 30	77 91	442 296 59	630 625 08



ProDirectional
Survey Report



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Wellbore	OH	Survey Calculation Method	Minimum Curvature
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Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
12 282 00	88 00	90 30	10 766 70	1 735 01	351 51	1 737 06	1 772 27	78 56	442 296 51	630 720 06
12 376 00	90 00	93 00	10 768 34	1 828 96	348 80	1 831 00	1 863 92	79 21	442 293 80	630 814 00
12 470 00	88 60	91 20	10 769 49	1 922 90	345 36	1 924 92	1 955 66	79 83	442 290 36	630 907 92
12 565 00	89 40	91 70	10 771 14	2 017 87	342 96	2 019 87	2 048 78	80 36	442 287 96	631 002 87
12 659 00	88 10	92 20	10 773 19	2 111 80	339 76	2 113 80	2 140 93	80 87	442 284 76	631 096 80
12 754 00	88 90	93 50	10 775 68	2 206 68	335 04	2 208 64	2 233 91	81 37	442 280 04	631 191 64
12 848 00	87 20	91 10	10 778 88	2 300 56	331 27	2 302 50	2 326 21	81 81	442 276 27	631 285 50
12 942 00	89 50	93 40	10 781 59	2 394 45	327 58	2 396 38	2 418 66	82 22	442 272 58	631 379 38
13 036 00	90 90	92 00	10 781 26	2 488 37	323 15	2 490 27	2 511 15	82 61	442 268 15	631 473 27
13 131 00	89 80	87 10	10 780 68	2 583 33	323 90	2 585 23	2 605 44	82 86	442 268 90	631 568 23
13 225 00	91 30	88 10	10 779 78	2 677 21	327 83	2 679 14	2 699 13	83 02	442 272 83	631 662 14
13 320 00	89 30	88 00	10 779 28	2 772 13	331 06	2 774 08	2 793 77	83 19	442 276 06	631 757 08
13 414 00	89 50	85 20	10 780 26	2 865 92	336 64	2 867 90	2 887 59	83 31	442 281 64	631 850 90
13 508 00	88 60	87 40	10 781 82	2 959 66	342 70	2 961 69	2 981 45	83 40	442 287 70	631 944 69
13 602 00	88 50	88 50	10 784 20	3 053 55	346 06	3 055 59	3 075 13	83 54	442 291 06	632 038 59
13 696 00	89 80	90 40	10 785 59	3 147 52	346 97	3 149 57	3 168 63	83 71	442 291 97	632 132 57
13 791 00	88 80	90 70	10 786 76	3 242 51	346 05	3 244 56	3 262 96	83 91	442 291 05	632 227 56
13 885 00	88 20	90 70	10 789 22	3 336 48	344 91	3 338 52	3 356 29	84 10	442 289 91	632 321 52
13 979 00	91 40	91 50	10 789 54	3 430 46	343 10	3 432 49	3 449 60	84 29	442 288 10	632 415 49
14 073 00	88 90	91 10	10 789 30	3 524 44	340 97	3 526 46	3 542 90	84 48	442 285 97	632 509 46
14 167 00	88 00	91 10	10 791 84	3 618 39	339 17	3 620 41	3 636 26	84 65	442 284 17	632 603 41
14 261 00	87 90	92 30	10 795 20	3 712 30	336 38	3 714 30	3 729 50	84 83	442 281 38	632 697 30
14 356 00	89 20	92 80	10 797 61	3 807 20	332 15	3 809 18	3 823 63	85 02	442 277 15	632 792 18
14 450 00	85 40	87 30	10 802 04	3 901 04	332 06	3 903 02	3 917 12	85 14	442 277 06	632 886 02
14 544 00	85 70	88 30	10 809 33	3 994 66	335 66	3 996 66	4 010 73	85 20	442 280 66	632 979 66
14 638 00	85 30	88 40	10 816 71	4 088 32	338 36	4 090 33	4 104 31	85 27	442 283 36	633 073 33
14 733 00	86 50	88 60	10 823 50	4 183 03	340 84	4 185 06	4 198 91	85 34	442 285 84	633 168 06



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Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V Sec (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
14 826 00	92 40	91 40	10 824 39	4 275 97	340 84	4 278 00	4 291 56	85 44	442 285 84	633 261 00
14 921 00	89 60	90 50	10 822 73	4 370 94	339 27	4 372 96	4 386 11	85 56	442 284 27	633 355 96
15 016 00	90 00	90 10	10 823 06	4 465 94	338 77	4 467 96	4 480 79	85 66	442 283 77	633 450 96
15 109 00	90 10	90 30	10 822 98	4 558 94	338 44	4 560 96	4 573 50	85 76	442 283 44	633 543 96
15 204 00	90 20	90 20	10 822 73	4 653 94	338 03	4 655 96	4 668 22	85 85	442 283 03	633 638 96
15 298 00	90 30	90 30	10 822 32	4 747 94	337 62	4 749 96	4 761 94	85 93	442 282 62	633 732 96
15 392 00	88 60	90 80	10 823 23	4 841 93	336 72	4 843 95	4 855 64	86 02	442 281 72	633 826 95
15 486 00	90 20	93 00	10 824 21	4 935 88	333 60	4 937 88	4 949 14	86 14	442 278 60	633 920 88
15 580 00	87 70	93 50	10 825 93	5 029 73	328 27	5 031 71	5 042 40	86 27	442 273 27	634 014 71
15 674 00	88 10	95 30	10 829 38	5 123 43	321 07	5 125 36	5 135 41	86 42	442 266 07	634 108 36
15 711 00	89 50	97 30	10 830 15	5 160 22	317 01	5 162 13	5 171 85	86 49	442 262 01	634 145 13
Last Survey 15711 MD										
15 777 00	89 50	97 30	10 830 73	5 225 73	308 62	5 227 59	5 236 69	86 62	442 253 62	634 210 59
PTB 15777 MD										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
141 00	141 00	-0 23	-0 70	Pro MWD First Survey 141 MD
15 711 00	10 830 15	317 01	5 162 13	Last Survey 15711 MD
15 777 00	10 830 73	308 62	5 227 59	PTB 15777 MD