



PRODIRECTIONAL



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NOV 01 2018

DISTRICT II-ARTESIA O.C.D.



Dr. K 24-23S-27E RB No. 201H

Eddy County, NM

September 18, 2018

30-015-45125

Job No. LNM5182218

ORIGINAL

Survey Completion Report



September 18, 2018

RECEIVED

NOV 01 2018

DISTRICT II-ARTESIA O.C.D.



Operator Name: Matador Resources
Well Name: Dr. K 24-23S-27E RB No. 201H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 274
Job Number: LNM5182218

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:

<u>Surveyor</u>	<u>Surveyed Depths</u>	<u>Projection to Bit</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
ProDirectional	172' MD – 14,220' MD	14,301' MD	08/05/18 – 08/20/18	MWD

Sincerely,

Mike Coats
Regulatory Specialist
Professional Directional

850 Conroe Park West Drive | Conroe, TX 77303 | Phone: 936.441.7266

prodirectional.com



Matador Resources

**Eddy County, NM
Dr. K 24-23S-27E RB
No. 201H
OH**

Survey: ProDirectional

Survey Report

18 September, 2018





ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD 83)
Site: Dr. K 24-23S-27E RB
Well: No. 201H
Wellbore: OH
Design: MWD-172' MD-14220', Proj. 14301' MD

Local Co-ordinate Reference: Well No. 201H
TVD Reference: Well @ 3145.50usft
MD Reference: Well @ 3145.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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 Dr. K 24-23S-27E RB		
Site Position:	Northing: 467,042.00 usft	Latitude: 32.283845
From: Map	Easting: 596,847.00 usft	Longitude: -104.153708
Position Uncertainty: 0.00 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.10 °

Well No. 201H			
Well Position	+N/-S 0.00 usft	Northing: 471,248.00 usft	Latitude: 32.295405
	+E/-W 0.00 usft	Easting: 597,167.00 usft	Longitude: -104.152650
Position Uncertainty 0.00 usft		Wellhead Elevation: usft	Ground Level: 3,117.00 usft

Wellbore OH					
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	HDGM	8/2/2018	(°) 7.28	(°) 60.05	(nT) 47,973.50

Design MWD-172' MD-14220', Proj. 14301' MD				
Audit Notes:				
Version: 1.0	Phase: ACTUAL	Tie On Depth: 0.00		
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.00	0.00	0.00	89.96

Survey Program Date 9/18/2018				
From	To	Survey (Wellbore)	Tool Name	Description
(usft) 172.00	(usft) 14,301.00	Survey #1 (OH)	MWD+HDGM	OWSG MWD + HRGM



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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	471,248.00	597,167.00
172.00	0.30	295.40	172.00	-0.41	0.19	-0.41	0.45	295.40	471,248.19	597,166.59
Pro MWD First Survey: 172' MD										
324.00	0.90	15.00	323.99	-0.46	1.52	-0.46	1.58	343.23	471,249.52	597,166.54
440.00	1.00	359.30	439.98	-0.23	3.41	-0.23	3.42	356.08	471,251.41	597,166.77
610.00	1.30	5.70	609.94	-0.06	6.81	-0.06	6.81	359.49	471,254.81	597,166.94
701.00	1.50	16.60	700.91	0.39	8.98	0.38	8.99	2.44	471,256.98	597,167.38
793.00	3.20	352.20	792.84	0.39	12.68	0.38	12.68	1.71	471,260.68	597,167.38
884.00	4.00	351.70	883.66	-0.41	18.34	-0.43	18.34	358.67	471,266.34	597,166.57
979.00	5.00	337.70	978.36	-2.46	25.44	-2.47	25.56	354.45	471,273.44	597,164.53
1,074.00	5.10	336.50	1,073.00	-5.71	33.15	-5.73	33.64	350.19	471,281.15	597,161.27
1,169.00	5.70	325.20	1,167.58	-10.08	40.89	-10.11	42.12	346.12	471,288.89	597,156.89
1,264.00	6.20	322.90	1,262.06	-15.86	48.86	-15.89	51.38	341.98	471,296.86	597,151.11
1,360.00	6.10	326.70	1,357.51	-21.78	57.26	-21.82	61.27	339.14	471,305.26	597,145.18
1,455.00	6.00	331.40	1,451.98	-26.92	65.84	-26.97	71.14	337.72	471,313.84	597,140.03
1,550.00	5.80	337.30	1,546.48	-31.14	74.62	-31.20	80.88	337.31	471,322.62	597,135.80
1,645.00	5.60	329.00	1,641.01	-35.38	83.02	-35.44	90.27	336.89	471,331.02	597,131.56
1,740.00	5.70	326.40	1,735.55	-40.37	90.93	-40.43	99.51	336.03	471,338.93	597,126.57
1,836.00	5.40	332.70	1,831.10	-45.08	98.91	-45.14	108.73	335.47	471,346.91	597,121.86
1,931.00	4.70	325.60	1,925.73	-49.32	106.10	-49.39	117.03	335.04	471,354.10	597,117.61
2,026.00	4.60	328.10	2,020.42	-53.53	112.54	-53.61	124.66	334.53	471,360.54	597,113.39
2,122.00	4.60	332.40	2,116.11	-57.34	119.22	-57.42	132.33	334.28	471,367.22	597,109.58
2,217.00	4.40	333.80	2,210.82	-60.71	125.87	-60.80	139.78	334.22	471,373.87	597,106.20
2,312.00	5.10	315.60	2,305.50	-65.27	132.15	-65.36	147.43	333.68	471,380.15	597,101.64
2,407.00	5.70	312.40	2,400.08	-71.70	138.35	-71.80	155.87	332.57	471,386.35	597,095.20
2,457.00	5.90	312.60	2,449.82	-75.43	141.77	-75.52	160.63	331.95	471,389.77	597,091.48
2,550.00	6.50	311.60	2,542.28	-82.88	148.50	-82.98	170.11	330.80	471,396.50	597,084.02



ProDirectional
Survey Report



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Site: Dr. K 24-23S-27E RB
Well: No. 201H
Wellbore: OH
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Local Co-ordinate Reference: Well No. 201H
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Database: WellPlanner1

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	EW (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
2,645.00	4.50	297.50	2,636.84	-90.20	153.79	-90.31	178.34	329.58	471,401.79	597,076.69
2,677.00	4.30	295.20	2,668.74	-92.40	154.88	-92.51	180.40	329.15	471,402.88	597,074.49
2,772.00	2.20	233.80	2,763.61	-97.09	155.32	-97.20	183.23	327.96	471,403.32	597,069.80
2,867.00	2.50	217.50	2,858.53	-99.83	152.60	-99.93	182.41	326.78	471,400.60	597,067.07
2,962.00	2.70	222.10	2,953.43	-102.59	149.29	-102.70	181.20	325.48	471,397.29	597,064.30
3,057.00	2.60	223.70	3,048.33	-105.58	146.08	-105.68	180.30	324.11	471,394.08	597,061.32
3,153.00	2.80	222.70	3,144.22	-108.68	142.78	-108.78	179.49	322.70	471,390.78	597,058.22
3,248.00	0.60	48.10	3,239.19	-109.88	141.40	-109.98	179.14	322.12	471,389.40	597,057.02
3,343.00	1.20	39.60	3,334.18	-108.88	142.50	-108.98	179.40	322.59	471,390.50	597,058.02
3,439.00	0.90	50.60	3,430.16	-107.65	143.76	-107.76	179.66	323.15	471,391.76	597,059.24
3,534.00	1.00	57.90	3,525.15	-106.38	144.67	-106.48	179.63	323.65	471,392.67	597,060.52
3,629.00	1.00	40.60	3,620.14	-105.13	145.74	-105.23	179.76	324.17	471,393.74	597,061.77
3,725.00	1.20	275.10	3,716.13	-105.59	146.47	-105.69	180.62	324.19	471,394.47	597,061.31
3,819.00	1.60	272.80	3,810.10	-107.88	146.62	-107.98	182.09	323.63	471,394.62	597,059.02
3,914.00	1.50	269.80	3,905.07	-110.45	146.68	-110.55	183.67	322.99	471,394.68	597,056.45
4,009.00	1.60	274.20	4,000.03	-113.01	146.77	-113.12	185.30	322.38	471,394.77	597,053.88
4,105.00	1.70	270.30	4,095.99	-115.77	146.88	-115.88	187.08	321.73	471,394.88	597,051.12
4,200.00	1.60	277.30	4,190.95	-118.50	147.05	-118.60	188.92	321.11	471,395.05	597,048.40
4,295.00	1.50	272.20	4,285.92	-121.06	147.27	-121.16	190.70	320.56	471,395.27	597,045.84
4,390.00	1.60	261.90	4,380.88	-123.61	147.13	-123.72	192.23	319.94	471,395.13	597,043.28
4,485.00	1.30	263.80	4,475.85	-126.00	146.83	-126.10	193.54	319.34	471,394.83	597,040.90
4,580.00	1.30	267.70	4,570.83	-128.15	146.67	-128.25	194.83	318.83	471,394.67	597,038.75
4,675.00	1.20	264.40	4,665.81	-130.21	146.53	-130.31	196.09	318.35	471,394.53	597,036.69
4,771.00	1.50	256.70	4,761.78	-132.44	146.14	-132.54	197.29	317.79	471,394.14	597,034.46
4,866.00	1.50	265.00	4,856.75	-134.88	145.74	-134.99	198.65	317.19	471,393.74	597,032.01
4,961.00	0.90	199.50	4,951.73	-136.37	144.93	-136.47	199.07	316.72	471,392.93	597,030.53
5,056.00	1.10	196.00	5,046.71	-136.87	143.35	-136.97	198.27	316.30	471,391.35	597,030.03



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5,151.00	1.10	198.90	5,141.70	-137.42	141.61	-137.52	197.40	315.84	471,389.61	597,029.48
5,245.00	0.90	129.70	5,235.69	-137.15	140.29	-137.25	196.26	315.63	471,388.29	597,029.75
5,340.00	0.90	117.60	5,330.67	-135.91	139.47	-136.01	194.81	315.72	471,387.47	597,030.99
5,435.00	0.90	140.90	5,425.66	-134.78	138.54	-134.88	193.35	315.77	471,386.54	597,032.12
5,531.00	1.60	57.10	5,521.65	-133.18	138.68	-133.28	192.34	316.14	471,386.68	597,033.72
5,626.00	1.50	59.60	5,616.61	-130.99	140.03	-131.09	191.82	316.89	471,388.03	597,035.91
5,721.00	0.90	67.00	5,711.59	-129.23	140.95	-129.33	191.30	317.46	471,388.95	597,037.67
5,817.00	0.40	165.40	5,807.58	-128.46	140.92	-128.55	190.75	317.63	471,388.92	597,038.45
5,911.00	0.70	235.50	5,901.58	-128.85	140.28	-128.94	190.54	317.41	471,388.28	597,038.06
6,006.00	0.70	244.90	5,996.57	-129.85	139.71	-129.95	190.80	317.07	471,387.71	597,037.05
6,102.00	1.00	253.20	6,092.56	-131.18	139.22	-131.28	191.35	316.68	471,387.22	597,035.72
6,197.00	1.40	230.90	6,187.54	-132.88	138.24	-132.98	191.82	316.11	471,386.24	597,034.02
6,291.00	1.90	217.10	6,281.50	-134.71	136.28	-134.81	191.69	315.31	471,384.28	597,032.19
6,386.00	1.00	216.60	6,376.47	-136.16	134.36	-136.25	191.35	314.60	471,382.36	597,030.75
6,481.00	0.60	213.00	6,471.46	-136.92	133.27	-137.02	191.14	314.21	471,381.27	597,029.98
6,576.00	0.20	207.70	6,566.46	-137.27	132.71	-137.36	191.00	314.01	471,380.71	597,029.64
6,671.00	0.70	252.70	6,661.46	-137.90	132.39	-138.00	191.23	313.81	471,380.39	597,029.00
6,766.00	0.30	273.80	6,756.45	-138.70	132.23	-138.80	191.70	313.61	471,380.23	597,028.20
6,861.00	0.60	248.50	6,851.45	-139.42	132.07	-139.51	192.11	313.43	471,380.07	597,027.49
6,956.00	0.50	273.90	6,946.45	-140.29	131.91	-140.38	192.64	313.22	471,379.91	597,026.62
7,052.00	0.40	144.60	7,042.45	-140.52	131.67	-140.61	192.63	313.12	471,379.67	597,026.39
7,147.00	0.40	216.60	7,137.44	-140.52	131.13	-140.61	192.27	313.00	471,379.13	597,026.39
7,241.00	1.50	218.60	7,231.43	-141.49	129.91	-141.58	192.15	312.54	471,377.91	597,025.42
7,336.00	1.10	101.90	7,326.42	-141.37	128.75	-141.46	191.28	312.31	471,376.75	597,025.54
7,431.00	1.50	99.20	7,421.39	-139.25	128.36	-139.34	189.45	312.65	471,376.36	597,027.66
7,526.00	1.30	98.20	7,516.36	-136.96	128.01	-137.05	187.53	313.05	471,376.01	597,029.95
7,622.00	1.10	115.00	7,612.34	-135.04	127.46	-135.13	185.76	313.33	471,375.46	597,031.87



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7,717.00	1.00	111.90		7,707.33	-133.45	126.77	-133.54	184.13	313.51	471,374.77	597,033.46
7,812.00	1.00	137.60		7,802.31	-132.12	125.85	-132.21	182.53	313.59	471,373.85	597,034.79
7,907.00	1.30	140.90		7,897.29	-130.88	124.40	-130.97	180.63	313.53	471,372.40	597,036.03
8,002.00	1.90	77.20		7,992.26	-128.67	123.91	-128.76	178.70	313.90	471,371.91	597,038.24
8,097.00	3.20	88.10		8,087.17	-124.48	124.35	-124.57	176.01	314.95	471,372.35	597,042.43
8,192.00	3.50	104.80		8,182.01	-119.03	123.70	-119.12	171.72	316.08	471,371.70	597,047.88
8,287.00	1.90	98.10		8,276.90	-114.67	122.73	-114.75	168.02	316.92	471,370.73	597,052.25
8,382.00	1.10	79.10		8,371.87	-112.21	122.68	-112.30	166.32	317.53	471,370.68	597,054.70
8,478.00	1.00	74.40		8,467.85	-110.50	123.08	-110.59	165.47	318.06	471,371.08	597,056.41
8,573.00	0.80	111.70		8,562.84	-109.09	123.06	-109.17	164.51	318.42	471,371.06	597,057.83
8,668.00	0.40	132.90		8,657.83	-108.23	122.59	-108.31	163.58	318.54	471,370.59	597,058.69
8,681.00	0.50	135.50		8,670.83	-108.15	122.52	-108.24	163.48	318.54	471,370.52	597,058.76
8,776.00	0.60	114.70		8,765.83	-107.41	122.02	-107.50	162.61	318.62	471,370.02	597,059.50
8,871.00	11.20	78.50		8,860.20	-97.89	123.65	-97.98	157.76	321.61	471,371.65	597,069.02
8,966.00	25.40	80.90		8,950.16	-68.58	128.74	-68.67	145.91	331.93	471,376.74	597,098.33
9,061.00	37.20	85.50		9,031.20	-19.65	134.24	-19.74	135.68	351.63	471,382.24	597,147.26
9,157.00	46.50	86.90		9,102.64	44.20	138.40	44.10	145.26	17.67	471,386.40	597,211.10
9,252.00	53.70	88.70		9,163.54	116.97	141.14	116.88	183.25	39.63	471,389.14	597,283.88
9,348.00	63.10	89.70		9,213.78	198.64	142.24	198.54	244.24	54.38	471,390.24	597,365.54
9,443.00	73.00	90.80		9,249.25	286.64	141.83	286.54	319.72	63.67	471,389.83	597,453.54
9,532.00	78.90	88.10		9,270.85	372.93	142.69	372.83	399.20	69.06	471,390.69	597,539.83
9,563.00	79.00	88.40		9,276.79	403.34	143.61	403.24	428.05	70.40	471,391.61	597,570.24
9,658.00	85.30	89.20		9,289.76	497.38	145.58	497.28	518.15	73.68	471,393.58	597,664.28
9,754.00	86.00	88.60		9,297.04	593.09	147.42	592.99	611.03	76.04	471,395.42	597,759.99
9,849.00	89.70	92.50		9,300.61	687.98	146.50	687.88	703.31	77.98	471,394.50	597,854.88
9,943.00	88.70	89.70		9,301.92	781.94	144.70	781.84	795.12	79.51	471,392.70	597,948.84
10,039.00	88.30	89.20		9,304.44	877.91	145.62	877.80	889.80	80.58	471,393.62	598,044.80



ProDirectional
Survey Report



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 Well: No. 201H
 Wellbore: OH
 Design: MWD-172' MD-14220', Proj. 14301' MD

Local Co-ordinate Reference: Well No. 201H
 TVD Reference: Well @ 3145.50usft
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 North Reference: Grid
 Survey Calculation Method: Minimum Curvature
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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)
10,133.00	88.00	87.70	9,307.47	971.82	148.16	971.72	982.95	81.33	471,396.16	598,138.72
10,228.00	88.10	88.00	9,310.70	1,066.70	151.72	1,066.60	1,077.33	81.90	471,399.72	598,233.60
10,323.00	88.40	89.70	9,313.60	1,161.64	153.63	1,161.53	1,171.64	82.47	471,401.63	598,328.53
10,419.00	89.80	89.60	9,315.11	1,257.62	154.21	1,257.51	1,266.93	83.01	471,402.21	598,424.51
10,514.00	89.40	88.50	9,315.78	1,352.60	155.79	1,352.50	1,361.44	83.43	471,403.79	598,519.50
10,609.00	89.20	88.80	9,316.94	1,447.57	158.03	1,447.46	1,456.06	83.77	471,406.03	598,614.46
10,705.00	89.90	88.80	9,317.69	1,543.55	160.04	1,543.44	1,551.71	84.08	471,408.04	598,710.44
10,801.00	89.80	88.80	9,317.94	1,639.53	162.05	1,639.42	1,647.41	84.35	471,410.05	598,806.42
10,896.00	89.90	88.30	9,318.19	1,734.50	164.45	1,734.39	1,742.16	84.58	471,412.45	598,901.39
10,991.00	89.60	89.50	9,318.60	1,829.48	166.28	1,829.37	1,836.91	84.81	471,414.28	598,996.37
11,087.00	86.50	91.10	9,321.87	1,925.41	165.77	1,925.29	1,932.42	85.08	471,413.77	599,092.29
11,180.00	85.60	90.90	9,328.28	2,018.17	164.16	2,018.06	2,024.72	85.35	471,412.16	599,185.06
11,275.00	88.10	91.30	9,333.50	2,113.00	162.33	2,112.89	2,119.12	85.61	471,410.33	599,279.89
11,370.00	90.10	92.40	9,334.99	2,207.93	159.27	2,207.82	2,213.56	85.87	471,407.27	599,374.82
11,464.00	88.60	90.70	9,336.06	2,301.88	156.72	2,301.77	2,307.10	86.10	471,404.72	599,468.77
11,559.00	87.40	89.60	9,339.37	2,396.82	156.48	2,396.71	2,401.82	86.26	471,404.48	599,563.71
11,654.00	87.30	89.50	9,343.76	2,491.72	157.22	2,491.61	2,496.56	86.39	471,405.22	599,658.61
11,749.00	89.70	91.00	9,346.25	2,586.67	156.81	2,586.57	2,591.31	86.53	471,404.81	599,753.57
11,844.00	88.00	90.10	9,348.16	2,681.65	155.89	2,681.54	2,686.07	86.67	471,403.89	599,848.54
11,939.00	89.90	90.70	9,349.90	2,776.62	155.23	2,776.51	2,780.85	86.80	471,403.23	599,943.51
12,035.00	89.00	90.40	9,350.82	2,872.61	154.31	2,872.50	2,876.65	86.93	471,402.31	600,039.50
12,130.00	87.50	90.30	9,353.72	2,967.56	153.73	2,967.46	2,971.44	87.03	471,401.73	600,134.46
12,225.00	90.10	92.10	9,355.71	3,062.51	151.74	3,062.40	3,066.16	87.16	471,399.74	600,229.40
12,321.00	90.20	91.20	9,355.46	3,158.46	148.98	3,158.36	3,161.87	87.30	471,396.98	600,325.36
12,416.00	89.20	91.00	9,355.96	3,253.44	147.15	3,253.34	3,256.67	87.41	471,395.15	600,420.34
12,511.00	86.50	91.00	9,359.52	3,348.35	145.50	3,348.25	3,351.41	87.51	471,393.50	600,515.25
12,606.00	85.60	90.40	9,366.06	3,443.12	144.34	3,443.02	3,446.04	87.60	471,392.34	600,610.02



ProDirectional
Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD 83)
Site: Dr. K 24-23S-27E RB
Well: No. 201H
Wellbore: OH
Design: MWD-172' MD-14220', Proj. 14301' MD

Local Co-ordinate Reference: Well No. 201H
TVD Reference: Well @ 3145.50usft
MD Reference: Well @ 3145.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

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)
12,700.00	85.40	90.50	9,373.44	3,536.82	143.60	3,536.72	3,539.64	87.67	471,391.60	600,703.72
12,795.00	86.30	91.50	9,380.31	3,631.56	141.95	3,631.46	3,634.23	87.76	471,389.95	600,798.46
12,889.00	87.40	90.80	9,385.48	3,725.39	140.06	3,725.30	3,727.93	87.85	471,388.06	600,892.30
12,985.00	88.90	89.80	9,388.58	3,821.34	139.56	3,821.24	3,823.79	87.91	471,387.56	600,988.24
13,080.00	89.00	89.10	9,390.32	3,916.32	140.47	3,916.22	3,918.74	87.95	471,388.47	601,083.22
13,175.00	88.20	87.90	9,392.64	4,011.25	142.96	4,011.16	4,013.70	87.96	471,390.96	601,178.16
13,270.00	89.40	88.20	9,394.63	4,106.18	146.19	4,106.08	4,108.68	87.96	471,394.19	601,273.08
13,364.00	89.60	88.20	9,395.45	4,200.13	149.14	4,200.03	4,202.68	87.97	471,397.14	601,367.03
13,460.00	90.10	88.70	9,395.70	4,296.10	151.74	4,295.99	4,298.67	87.98	471,399.74	601,462.99
13,555.00	88.70	89.50	9,396.70	4,391.08	153.23	4,390.97	4,393.64	88.00	471,401.23	601,557.97
13,650.00	88.00	88.80	9,399.43	4,486.03	154.64	4,485.92	4,488.59	88.03	471,402.64	601,652.92
13,745.00	90.00	89.00	9,401.09	4,580.99	156.46	4,580.88	4,583.56	88.04	471,404.46	601,747.88
13,839.00	94.40	90.30	9,397.48	4,674.90	157.04	4,674.79	4,677.42	88.08	471,405.04	601,841.79
13,934.00	93.80	90.50	9,390.69	4,769.65	156.38	4,769.54	4,772.10	88.12	471,404.38	601,936.54
14,028.00	93.80	89.70	9,384.46	4,863.44	156.21	4,863.33	4,865.84	88.16	471,404.21	602,030.33
14,102.00	93.50	89.80	9,379.75	4,937.29	156.54	4,937.18	4,939.66	88.18	471,404.54	602,104.18
14,220.00	91.90	89.50	9,374.19	5,055.15	157.26	5,055.05	5,057.49	88.22	471,405.26	602,222.05
Last Survey: 14220' MD										
14,301.00	91.90	89.50	9,371.50	5,136.11	157.96	5,136.00	5,138.43	88.24	471,405.96	602,303.00
PTB: 14301' MD										



ProDirectional
Survey Report



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Local Co-ordinate Reference: Well No. 201H
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MD Reference: Well @ 3145.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WellPlanner1

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
172.00	172.00	0.19	-0.41	Pro MWD First Survey: 172' MD
14,220.00	9,374.19	157.26	5,055.05	Last Survey: 14220' MD
14,301.00	9,371.50	157.96	5,136.00	PTB: 14301' MD