



PRODIRECTIONAL

30-015-43463

**NM OIL CONSERVATION
ARTESIA DISTRICT**

OCT 12 2016

RECEIVED



**Janie Conner 13-24S-28E RB No. 201H
Eddy County, NM**

July 08, 2016

Job No. LNM5123716

Survey Completion Report



PRODIRECTIONAL

Survey Certification Letter

July 08, 2016



Operator Name: Matador Resources
Well Name: Janie Conner 13-24S-28E RB No. 201H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 809
Job Number: LNM5123716

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	669' MD – 14,847' MD	14,915' MD	05/26/16 – 07/08/16	MWD-OWSG

Sincerely,

Mike Coats
Well Planning
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

No. 201H

OH

Survey: ProDirectional

Survey Report

08 July, 2016





ProDirectional Survey Report



Company: Matador Resources		Well No. 201H	
Project: Eddy County, NM	Local Co-ordinate Reference:		
Site: Janie Corner 201-221-121	TVD Reference:		
Well: No. 201H	MD Reference:		
Design: OH	North Reference:		
Gyro/MWD	Survey Calculation Method:		
	Database:		
Project Eddy County, NM		System Datum: Mean Sea Level	
Map System: US State Plane 1927 (Exact solution)			
Geo Datum: NAD 1927 (NADCON CONUS)			
Map Zone: New Mexico East 3001			
Site Janie Corner 201-221-121			
Site Position:	North:	Latitude:	32° 13' 25.917 N
From: Map	East:	Longitude:	104° 2' 59.801 W
Position Uncertainty: 3.30 usft	Slot Radius: 13-3/16"	Grid Convergence:	0.15°
Well No. 201H			
Well Position	North:	Latitude:	32° 13' 25.917 N
+N/-S	East:	Longitude:	104° 2' 59.801 W
+E/-W	Wellhead Elevation:	Ground Level:	2,976.00 usft
Position Uncertainty			
Wellbore OH			
Magnetics			
Model Name	Sample Date	Dip Angle (°)	Field Strength (nT)
HDGM	6/1/2016	7.35	60.07
			48,224
Design Gyro/MWD			
Audit Notes:			
Version: 1.0	Phase: ACTUAL	Tie On Depth:	0.00
Vertical Section:		Depth From (TVD) (usft)	Direction (°)
		+N/-S (usft)	+E/-W (usft)
		0.00	0.00
			89.79



ProDirectional
Survey Report



Company: Matador Resources
Project: Eddy County, NM
Site: Janie Conner 201-221-121
Well: No. 201H
OH
Design: Gyro/MWD

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well No. 201H
Well @ 3004.50ust (GL: 2976' + KB: 28.5' (Pat809))
Well @ 3004.50ust (GL: 2976' + KB: 28.5' (Pat809))
Grid
Minimum Curvature
Well_Planner1

Survey Program Date: 7/8/2016

From (ust)	To (ust)	Survey (Wellbore)
100.00	515.00	Survey #1 (OH)
668.00	14,915.00	MWD (OH)

Tool Name Description
GYRO-NS Gyrocompass Gyro
MWD - OWSG MWD - OWSG

Survey	MD (ust)	Inc (°)	Azi (azimuth) (°)	TVD (ust)	V. Sec (ust)	N/S (ust)	E/W (ust)	Closure Distance (ust)	Closure Azimuth (°)	Northing (ust)	Easting (ust)
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	445,277.00	587,635.00
	100.00	0.34	189.50	100.00	-0.05	-0.29	-0.05	0.30	189.50	445,276.71	587,634.95
	200.00	0.61	193.39	200.00	-0.23	-1.10	-0.22	1.13	191.34	445,275.90	587,634.78
	300.00	0.71	216.10	299.99	-0.72	-2.12	-0.71	2.24	198.49	445,274.88	587,634.29
	400.00	1.01	218.18	399.98	-1.63	-3.31	-1.62	3.69	206.04	445,273.69	587,633.38
	500.00	1.58	217.32	499.95	-3.02	-6.10	-3.00	5.92	210.45	445,271.90	587,632.00
	515.00	1.42	216.66	514.95	-3.26	-5.42	-3.24	6.31	210.85	445,271.58	587,631.76
	668.00	0.30	131.50	667.93	-4.09	-7.20	-4.07	8.27	209.45	445,269.80	587,630.93
	669.00	0.29	129.04	668.93	-4.09	-7.21	-4.06	8.27	209.42	445,269.79	587,630.94
Pro MWD First Survey: 669' MD											
	700.00	0.40	43.30	699.93	-3.96	-7.18	-3.93	8.18	208.69	445,269.82	587,631.07
	794.00	3.10	340.60	793.88	-4.56	-4.54	-4.55	6.43	225.04	445,272.46	587,630.45
	887.00	3.40	338.30	886.73	-6.40	0.39	-6.40	6.42	273.51	445,277.39	587,628.60
	981.00	3.70	327.50	980.55	-9.04	5.54	-9.06	10.62	301.44	445,282.54	587,625.94
	1,075.00	4.10	301.70	1,074.34	-13.52	9.86	-13.55	16.76	306.05	445,286.86	587,621.45
	1,168.00	4.30	295.10	1,167.09	-19.49	13.09	-19.54	23.52	303.82	445,290.09	587,615.46
	1,262.00	3.90	296.00	1,260.85	-25.54	15.99	-25.60	30.18	301.98	445,292.99	587,609.40
	1,356.00	3.90	288.30	1,354.63	-31.44	18.39	-31.51	36.49	300.27	445,295.39	587,603.49
	1,449.00	3.60	285.00	1,447.43	-37.26	20.14	-37.33	42.42	298.35	445,297.14	587,597.67
	1,543.00	3.80	294.20	1,541.24	-42.94	22.18	-43.03	48.41	297.27	445,299.18	587,591.97
	1,636.00	4.00	299.30	1,634.02	-48.57	25.03	-48.67	54.73	297.22	445,302.03	587,586.33



ProDirectional
Survey Report

30-015-43463



Company:	Matador Resources	Well No. 201H
Project:	Eddy County, NM	Well @ 3004.50usft (GL: 2976 + KB: 28.5' (Part09))
Site:	Janie Corner 201-221-121	Well @ 3004.50usft (GL: 2976 + KB: 28.5' (Part09))
Wellbore:	OH	Gnd
Design:	Gyro/MWD	Minimum Curvature
		Well Planner1
Local Co-ordinate Reference:		
TVD Reference:		
MD Reference:		
North Reference:		
Survey Calculation Method:		
Database:		

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	EW (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Eastng (usft)
	1,730.00	4.00	302.40	1,727.80	-54.19	28.39	-54.29	61.27	297.61	445,305.39	587,580.71
	1,824.00	4.10	305.70	1,821.56	-59.67	32.11	-59.79	67.87	298.24	445,309.11	587,575.21
	1,917.00	3.50	312.10	1,914.36	-64.46	35.95	-64.60	73.93	299.10	445,312.95	587,570.40
	2,011.00	2.70	293.40	2,008.22	-68.61	38.76	-68.76	78.93	299.41	445,316.76	587,566.24
	2,105.00	2.60	286.70	2,102.12	-72.68	40.25	-72.83	83.21	298.93	445,317.25	587,562.17
	2,198.00	2.00	281.80	2,195.04	-76.29	41.19	-76.44	86.83	298.32	445,318.19	587,558.56
	2,292.00	2.00	278.10	2,288.99	-79.52	41.75	-79.67	89.95	297.66	445,318.75	587,555.33
	2,385.00	2.40	293.30	2,381.92	-82.91	42.75	-83.07	93.42	297.23	445,319.75	587,551.93
	2,479.00	2.60	309.00	2,475.83	-86.36	44.87	-86.53	97.47	297.41	445,321.87	587,548.47
	2,572.00	2.40	307.70	2,568.74	-89.54	47.39	-89.71	101.46	297.85	445,324.39	587,545.29
	2,666.00	2.10	309.50	2,662.67	-92.41	49.69	-92.60	105.09	298.22	445,326.69	587,542.40
	2,709.00	2.20	310.10	2,705.64	-93.65	50.72	-93.84	106.67	298.39	445,327.72	587,541.16
	2,847.00	2.20	298.40	2,843.54	-97.97	53.73	-98.17	111.91	298.69	445,330.73	587,536.83
	2,941.00	2.00	254.00	2,937.48	-101.12	54.16	-101.32	114.89	298.13	445,331.16	587,533.68
	3,035.00	2.60	210.20	3,031.41	-103.78	51.87	-103.97	116.19	296.51	445,328.87	587,531.03
	3,128.00	2.80	207.10	3,124.31	-105.89	48.02	-106.06	116.43	294.36	445,325.02	587,528.94
	3,222.00	2.50	211.60	3,218.21	-108.02	44.23	-108.18	116.88	292.24	445,321.23	587,526.82
	3,316.00	2.70	209.50	3,312.11	-110.20	40.56	-110.35	117.57	290.18	445,317.56	587,524.65
	3,409.00	2.90	209.20	3,405.00	-112.44	36.60	-112.57	118.37	288.01	445,313.60	587,522.43
	3,503.00	0.80	271.40	3,498.95	-114.26	34.54	-114.39	119.49	286.80	445,311.54	587,520.61
	3,596.00	0.80	269.00	3,591.94	-115.56	34.54	-115.69	120.74	286.63	445,311.54	587,519.31
	3,690.00	0.90	271.20	3,686.93	-116.96	34.55	-117.08	122.07	286.44	445,311.55	587,517.92
	3,784.00	0.90	272.40	3,779.92	-118.43	34.59	-118.56	123.50	286.27	445,311.59	587,516.44
	3,877.00	1.00	270.30	3,873.91	-119.97	34.63	-120.10	124.99	286.08	445,311.63	587,514.90
	3,971.00	0.90	263.10	3,966.90	-121.53	34.55	-121.65	126.46	285.85	445,311.55	587,513.35
	4,065.00	1.00	260.80	4,060.88	-123.07	34.33	-123.20	127.89	285.57	445,311.33	587,511.80
	4,158.00	1.00	265.10	4,153.87	-124.68	34.13	-124.81	129.39	285.29	445,311.13	587,510.19



ProDirectional Survey Report



Company:	Matador Resources	Well No. 201H
Project:	Eddy County, NM	Well @ 3004.50usft (CL 2976 + KB: 28.5' (Pat809))
Site:	Janie Corner 201-221-121	Well @ 3004.50usft (CL 2976 + KB: 28.5' (Pat809))
Well:	No. 201H	Grid
Wellbore:	OH	Minimum Curvature
Design:	Gyro/MWD	Well Planner
Local Co-ordinate Reference:		
TVD Reference:		
MD Reference:		
North Reference:		
Survey Calculation Method:		
Database:		

Survey	MD (usft)	Incl (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	EW (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
	4,252.00	1.10	256.80	4,247.85	-126.38	33.85	-126.50	130.95	284.98	445,310.85	587,508.50
	4,346.00	1.20	260.80	4,341.83	-128.23	33.49	-128.35	132.65	284.62	445,310.49	587,506.65
	4,440.00	1.40	256.90	4,435.81	-130.32	33.07	-130.44	134.57	284.23	445,310.07	587,504.56
	4,533.00	1.50	258.00	4,528.78	-132.62	32.56	-132.74	136.67	283.78	445,309.56	587,502.26
	4,627.00	0.40	134.70	4,622.77	-133.59	32.07	-133.71	137.50	283.49	445,309.07	587,501.29
	4,720.00	1.00	104.30	4,715.76	-132.57	31.64	-132.69	136.41	283.41	445,308.64	587,502.31
	4,814.00	1.20	119.30	4,809.75	-130.92	30.96	-131.04	134.65	283.29	445,307.96	587,503.96
	4,907.00	1.30	124.90	4,902.72	-129.21	29.88	-129.32	132.73	283.01	445,306.88	587,505.68
	5,001.00	1.20	125.80	4,996.70	-127.54	28.69	-127.65	130.84	282.67	445,305.69	587,507.35
	5,094.00	1.10	132.80	5,089.68	-126.10	27.52	-126.21	129.17	282.30	445,304.52	587,508.79
	5,188.00	1.10	129.50	5,183.67	-124.75	26.33	-124.85	127.59	281.91	445,303.33	587,510.15
	5,281.00	1.40	129.40	5,276.64	-123.19	25.04	-123.28	126.80	281.48	445,302.04	587,511.72
	5,375.00	1.40	133.90	5,370.62	-121.48	23.52	-121.57	123.82	280.95	445,300.52	587,513.43
	5,468.00	1.40	132.90	5,463.59	-119.83	21.95	-119.92	121.91	280.38	445,298.95	587,515.08
	5,562.00	1.50	137.60	5,557.56	-118.17	20.26	-118.24	119.97	279.72	445,297.26	587,516.76
	5,655.00	1.70	134.90	5,650.52	-116.38	18.39	-116.45	117.89	278.98	445,295.39	587,518.55
	5,749.00	0.50	113.80	5,744.50	-115.02	17.24	-115.08	116.37	278.52	445,294.24	587,519.92
	5,842.00	0.80	320.40	5,837.50	-115.06	17.58	-115.13	116.46	278.68	445,294.58	587,519.87
	5,936.00	1.20	306.30	5,931.49	-116.27	18.67	-116.34	117.83	279.12	445,295.67	587,518.66
	6,029.00	1.10	299.40	6,024.47	-117.83	19.68	-117.90	119.53	279.48	445,296.68	587,517.10
	6,123.00	1.00	289.00	6,118.45	-119.39	20.39	-119.46	121.19	279.69	445,297.39	587,515.54
	6,216.00	1.00	291.90	6,211.44	-120.90	20.96	-120.98	122.78	279.83	445,297.96	587,514.02
	6,310.00	1.10	272.90	6,305.42	-122.57	21.31	-122.64	124.48	279.86	445,298.31	587,512.36
	6,403.00	1.30	266.70	6,398.40	-124.51	21.29	-124.59	126.40	279.70	445,298.29	587,510.41
	6,497.00	1.10	268.50	6,492.38	-126.48	21.21	-126.56	128.32	279.51	445,298.21	587,508.44
	6,591.00	1.20	284.20	6,586.36	-128.33	21.43	-128.41	130.19	279.47	445,298.43	587,506.59
	6,684.00	1.50	282.50	6,679.34	-130.46	21.93	-130.54	132.37	279.54	445,298.93	587,504.46



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM
Site: Jamie Conner 201-221-121
Well: No. 201H
Wellbore: OH
Design: GYRO/MWD

Local Co-ordinate Reference:
TVD Reference:
MWD Reference:
North Reference:
Survey Calculation Method:
Database:
Well No. 201H
Well @ 3004.50usft (GL: 2976' + KB: 28.5' (Patt09))
Well @ 3004.50usft (GL: 2976' + KB: 28.5' (Patt09))
Grid
Minimum Curvature
Well Planner

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V:Sec (usft)	NS (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
	6,778.00	1.10	346.10	6,773.32	-131.98	23.07	-131.96	133.96	279.92	445,300.07	587,503.04
	6,871.00	1.60	340.20	6,866.29	-132.52	25.16	-132.62	134.98	280.74	445,302.16	587,502.38
	6,965.00	0.70	276.90	6,960.27	-133.53	26.46	-133.63	136.23	281.20	445,303.46	587,501.37
	7,058.00	1.00	230.50	7,053.26	-134.73	26.02	-134.82	137.31	280.92	445,303.02	587,500.18
	7,152.00	1.10	258.80	7,147.25	-136.25	25.32	-136.34	138.67	280.52	445,302.32	587,498.66
	7,246.00	1.10	255.60	7,241.23	-138.01	24.92	-138.10	140.33	280.23	445,301.92	587,496.90
	7,339.00	1.00	223.90	7,334.22	-139.44	24.11	-139.53	141.59	279.80	445,301.11	587,495.47
	7,432.00	0.70	174.10	7,427.21	-139.95	22.96	-140.03	141.90	279.31	445,299.96	587,494.97
	7,526.00	0.70	175.90	7,521.20	-139.85	21.82	-139.93	141.62	278.86	445,298.82	587,495.07
	7,619.00	1.00	181.80	7,614.19	-139.84	20.44	-139.91	141.40	278.31	445,297.44	587,495.09
	7,713.00	1.50	166.00	7,708.17	-139.57	18.43	-139.64	140.85	277.52	445,295.43	587,495.36
	7,807.00	1.90	149.70	7,802.13	-138.50	15.89	-138.56	139.47	276.54	445,292.89	587,496.44
	7,900.00	1.80	167.00	7,895.08	-137.40	13.13	-137.45	138.08	275.46	445,290.13	587,497.55
	7,994.00	1.70	236.40	7,989.04	-138.24	10.92	-138.28	138.71	274.52	445,287.92	587,496.72
	8,088.00	3.30	276.70	8,082.96	-142.09	10.47	-142.13	142.52	274.21	445,287.47	587,492.87
	8,181.00	1.70	275.10	8,175.87	-146.12	10.90	-146.16	146.57	274.27	445,287.90	587,488.84
	8,275.00	0.50	295.50	8,269.85	-147.88	11.20	-147.92	148.35	274.33	445,288.20	587,487.08
	8,368.00	0.80	280.70	8,362.84	-148.88	11.50	-148.93	149.37	274.41	445,288.50	587,486.07
	8,462.00	0.90	63.70	8,456.84	-148.87	11.95	-148.91	149.39	274.59	445,288.95	587,486.09
	8,556.00	1.90	72.80	8,550.81	-146.71	12.74	-146.76	147.31	274.96	445,289.74	587,488.24
	8,649.00	2.40	55.90	8,643.74	-143.62	14.28	-143.67	144.38	275.68	445,291.28	587,491.33
	8,743.00	2.50	45.90	8,737.66	-140.51	16.81	-140.57	141.57	276.82	445,293.81	587,494.43
	8,836.00	2.00	44.80	8,830.59	-137.90	19.38	-137.97	139.33	277.99	445,296.38	587,497.03
	8,930.00	1.50	44.40	8,924.54	-135.88	21.42	-135.96	137.63	278.95	445,298.42	587,499.04
	8,997.00	1.10	30.50	8,991.52	-134.93	22.60	-135.02	136.89	279.50	445,299.60	587,499.98
	9,048.00	1.00	29.70	9,042.52	-134.46	23.41	-134.55	136.57	279.87	445,300.41	587,500.45
	9,079.00	3.30	89.00	9,073.49	-133.43	23.66	-133.52	135.60	280.05	445,300.66	587,501.48



ProDirectional Survey Report



Company:	Matador Resources	Well No. 201H
Project:	Eddy County, NM	Well @ 3004.50usft (GL: 2976 + KB: 28.5' (Part09))
Site:	Jamie Corner 201-221-121	Well @ 3004.50usft (GL: 2976 + KB: 28.5' (Part09))
Well:	No. 201H	Grid
Wellbore:	OH	Minimum Curvature
Design:	Gyro/MWD	Well Planner
		Database:
		Local/Coordinate Reference:
		TVD Reference:
		MWD Reference:
		North Reference:
		Survey Calculation Method:

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V.Sec (usft)	NS (usft)	EW (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
	9,110.00	7.30	94.80	9,104.36	-130.58	23.51	-130.66	132.76	280.20	445,300.51	587,504.34
	9,142.00	11.30	95.40	9,135.93	-125.43	23.04	-125.52	127.61	280.40	445,300.04	587,509.48
	9,173.00	15.60	94.00	9,166.07	-118.25	22.47	-118.33	120.44	280.75	445,299.47	587,516.67
	9,204.00	19.40	93.50	9,195.63	-108.95	21.86	-109.03	111.20	281.34	445,298.86	587,525.97
	9,235.00	23.00	93.10	9,224.53	-97.76	21.22	-97.84	100.11	282.24	445,298.22	587,537.16
	9,283.00	27.90	92.10	9,267.86	-77.17	20.30	-77.24	79.86	284.73	445,297.30	587,557.76
	9,329.00	31.90	91.50	9,307.73	-54.25	19.59	-54.33	57.75	289.83	445,296.59	587,580.67
	9,376.00	36.00	91.10	9,346.71	-28.02	19.00	-28.09	33.91	304.07	445,296.00	587,606.91
	9,423.00	40.20	90.90	9,383.58	0.97	18.49	0.90	18.52	2.78	445,295.49	587,635.90
	9,469.00	42.50	91.90	9,418.21	31.34	17.74	31.28	36.96	60.43	445,294.74	587,666.28
	9,516.00	42.60	92.70	9,452.84	63.09	16.47	63.03	66.15	75.36	445,293.47	587,698.03
	9,561.00	45.80	93.40	9,485.10	94.41	14.79	94.36	95.51	81.09	445,291.79	587,729.36
	9,610.00	50.90	91.90	9,517.65	130.97	13.12	130.92	131.58	84.28	445,290.12	587,765.92
	9,655.00	54.90	90.80	9,544.79	166.84	12.29	166.79	167.24	85.79	445,289.29	587,801.79
	9,703.00	58.40	89.70	9,571.17	206.92	12.12	206.88	207.24	86.65	445,289.12	587,841.88
	9,748.00	61.00	89.50	9,593.88	245.77	12.39	245.73	246.04	87.11	445,289.39	587,880.73
	9,797.00	64.10	89.60	9,616.46	289.25	12.73	289.21	289.49	87.48	445,289.73	587,924.21
	9,809.00	65.30	90.07	9,621.59	300.10	12.76	300.05	300.33	87.56	445,289.76	587,935.05
LL Xing: 9809' MD											
	9,842.00	68.60	91.30	9,634.51	330.46	12.40	330.41	330.64	87.85	445,289.40	587,965.41
	9,891.00	72.00	91.80	9,651.02	376.56	11.15	376.52	376.69	88.30	445,288.15	588,011.52
	9,917.00	74.00	91.80	9,658.63	401.41	10.37	401.37	401.50	88.52	445,287.37	588,036.37
	10,013.00	80.80	91.40	9,679.56	494.99	7.76	494.97	495.03	89.10	445,284.76	588,129.97
	10,045.00	81.90	91.80	9,684.37	526.61	6.87	526.59	526.64	89.25	445,283.87	588,161.59
	10,076.00	82.20	91.30	9,688.66	557.30	6.04	557.28	557.31	89.38	445,283.04	588,192.28
	10,108.00	82.90	90.90	9,692.80	589.02	5.43	589.00	589.03	89.47	445,282.43	588,224.00
	10,139.00	84.60	90.80	9,696.18	619.83	4.98	619.82	619.84	89.54	445,281.98	588,254.82



Prodirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 201H
Project:	Eddy County, NM	TVD Reference:	Well @ 3004.50usft (GL: 2976 + KB: 28.5' (Part809))
Site:	Janie Corner 201-221-121	MD Reference:	Well @ 3004.50usft (GL: 2976 + KB: 28.5' (Part809))
Well:	No. 201H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro/MWD	Database:	Well Planner

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	EW (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
HL Xing: 10148 MD											
10,148.00	85.02		90.88	9,696.99	628.79	4.84	628.78	628.80	89.56	445,281.84	588,263.78
10,171.00	86.10		91.10	9,698.77	651.72	4.45	651.71	651.72	89.61	445,281.45	588,286.71
10,203.00	88.00		91.60	9,700.42	683.66	3.69	683.65	683.66	89.69	445,280.69	588,318.65
10,234.00	92.00		92.20	9,700.42	714.63	2.67	714.63	714.63	89.79	445,279.67	588,349.63
10,329.00	89.10		88.20	9,699.51	809.60	2.34	809.59	809.60	89.83	445,279.34	588,444.59
10,424.00	89.40		86.80	9,700.75	904.51	6.48	904.49	904.52	89.59	445,283.48	588,539.49
10,518.00	89.80		87.30	9,701.41	998.40	11.32	998.37	998.43	89.35	445,288.32	588,633.37
10,612.00	88.90		87.10	9,702.47	1,092.30	15.91	1,092.25	1,092.36	89.17	445,292.91	588,727.25
10,707.00	88.10		85.90	9,704.96	1,187.11	21.71	1,187.04	1,187.23	88.95	445,298.71	588,822.04
10,801.00	88.70		86.80	9,707.59	1,280.90	27.69	1,280.81	1,281.11	88.76	445,304.69	588,915.81
10,896.00	88.90		88.20	9,709.58	1,375.80	31.83	1,375.69	1,376.06	88.67	445,308.83	589,010.69
10,990.00	88.10		90.50	9,712.04	1,469.76	32.90	1,469.65	1,470.02	88.72	445,309.90	589,104.65
11,085.00	90.80		92.80	9,712.95	1,564.69	30.16	1,564.59	1,564.88	88.90	445,307.16	589,199.59
11,179.00	93.40		93.30	9,709.50	1,658.47	25.16	1,658.38	1,658.57	89.13	445,302.16	589,293.38
11,274.00	92.20		92.10	9,704.86	1,753.23	20.69	1,753.16	1,753.28	89.32	445,297.69	589,388.16
11,368.00	90.20		90.80	9,702.89	1,847.16	18.32	1,847.10	1,847.20	89.43	445,295.32	589,482.10
11,462.00	87.80		89.40	9,704.54	1,941.13	18.15	1,941.08	1,941.17	89.46	445,295.15	589,576.08
11,557.00	86.40		88.40	9,709.34	2,036.00	19.97	2,035.94	2,036.04	89.44	445,296.97	589,670.94
11,651.00	86.90		88.10	9,714.83	2,129.80	22.84	2,129.73	2,129.86	89.39	445,299.84	589,764.73
11,746.00	87.20		87.70	9,719.72	2,224.62	26.32	2,224.54	2,224.70	89.32	445,303.32	589,859.54
11,840.00	90.30		88.30	9,721.77	2,318.54	29.59	2,318.45	2,318.64	89.27	445,306.59	589,953.45
11,935.00	91.90		88.90	9,719.95	2,413.50	31.92	2,413.40	2,413.61	89.24	445,308.92	590,048.40
12,029.00	90.50		87.80	9,717.98	2,507.45	34.62	2,507.34	2,507.58	89.21	445,311.62	590,142.34
12,123.00	90.60		87.80	9,717.08	2,601.39	38.23	2,601.27	2,601.55	89.16	445,315.23	590,236.27
12,217.00	88.30		87.70	9,717.98	2,695.32	41.92	2,695.18	2,695.51	89.11	445,318.92	590,330.18
12,312.00	88.40		87.90	9,720.72	2,790.22	45.57	2,790.07	2,790.44	89.06	445,322.57	590,425.07



ProDirectional
Survey Report



Company:	Matador Resources	Well No. 201H
Project:	Eddy County, NM	Well @ 3004.50usft (GL 2976 + KB 28.5' (Patt09))
Site:	Janie Corner 201-221-121	Well @ 3004.50usft (GL 2976 + KB 28.5' (Patt09))
Well:	No. 201H	Grid
Wellbore:	OH	Minimum Curvature
Design:	Gyro/MWD	Well Planner1
		Database:
		Local Co-ordinate Reference:
		TVD Reference:
		MD Reference:
		North Reference:
		Survey Calculation Method:

Survey	MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	NS (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)	Northing (usft)	Easting (usft)
	12,429.00	85.40	91.40	9,727.05	2,907.02	46.28	2,906.87	2,907.24	89.09	445,323.28	590,541.87
	12,523.00	85.80	96.00	9,734.26	3,000.50	40.24	3,000.37	3,000.64	89.23	445,317.24	590,635.37
	12,618.00	87.80	94.10	9,739.56	3,094.94	31.89	3,094.84	3,095.01	89.41	445,308.89	590,729.84
	12,712.00	91.30	91.80	9,740.30	3,188.77	27.05	3,188.70	3,188.81	89.51	445,304.05	590,823.70
	12,806.00	88.80	89.30	9,740.22	3,282.75	26.15	3,282.68	3,282.78	89.54	445,303.15	590,917.88
	12,900.00	90.90	89.60	9,740.47	3,376.74	27.05	3,376.67	3,376.78	89.54	445,304.05	591,011.67
	12,994.00	90.10	88.40	9,739.65	3,470.73	28.69	3,470.65	3,470.76	89.53	445,305.89	591,105.65
	13,089.00	88.80	88.00	9,740.56	3,565.68	31.68	3,565.59	3,565.73	89.49	445,308.68	591,200.58
	13,183.00	89.60	90.30	9,741.87	3,659.66	33.07	3,659.57	3,659.72	89.48	445,310.07	591,294.57
	13,277.00	89.20	89.90	9,742.85	3,753.66	32.91	3,753.56	3,753.70	89.50	445,309.91	591,388.56
	13,371.00	92.20	91.30	9,741.71	3,847.63	31.92	3,847.54	3,847.67	89.52	445,308.92	591,482.54
	13,466.00	92.80	91.00	9,737.56	3,942.51	30.02	3,942.43	3,942.54	89.56	445,307.02	591,577.43
	13,560.00	90.70	90.50	9,734.69	4,036.45	28.79	4,036.37	4,036.47	89.59	445,305.79	591,671.37
	13,654.00	89.10	89.70	9,734.86	4,130.44	28.63	4,130.36	4,130.46	89.60	445,305.63	591,765.36
	13,749.00	88.50	89.50	9,736.85	4,225.42	29.29	4,225.34	4,225.44	89.60	445,306.29	591,860.34
	13,843.00	88.30	89.80	9,739.47	4,319.38	29.86	4,319.30	4,319.40	89.60	445,306.86	591,954.30
	13,937.00	88.70	89.60	9,741.93	4,413.35	30.35	4,413.27	4,413.37	89.61	445,307.35	592,048.27
	14,031.00	90.70	90.20	9,742.42	4,507.34	30.52	4,507.26	4,507.36	89.61	445,307.52	592,142.26
	14,126.00	88.60	88.90	9,743.00	4,602.33	31.26	4,602.25	4,602.36	89.61	445,308.26	592,237.25
	14,220.00	88.10	88.20	9,745.71	4,696.27	33.64	4,696.18	4,696.30	89.59	445,310.64	592,331.18
	14,315.00	87.60	88.10	9,749.27	4,791.16	36.71	4,791.06	4,791.20	89.56	445,313.71	592,426.06
	14,410.00	89.20	89.60	9,751.93	4,886.11	38.61	4,886.00	4,886.15	89.55	445,315.61	592,521.00
	14,504.00	89.30	89.10	9,753.16	4,980.10	39.68	4,979.99	4,980.14	89.54	445,316.68	592,614.99
	14,598.00	91.70	90.80	9,752.34	5,074.08	39.76	5,073.97	5,074.13	89.55	445,316.76	592,708.97
	14,692.00	89.40	90.30	9,751.43	5,168.06	38.86	5,167.96	5,168.10	89.57	445,315.86	592,802.96
	14,787.00	87.90	88.90	9,753.67	5,263.03	39.52	5,262.92	5,263.07	89.57	445,316.52	592,897.92



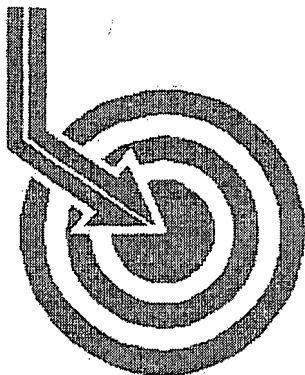
ProDirectional Survey Report



Company:	Malador Resources	Local Co-ordinate Reference:	Well No: 201H
Project:	Eddy County, NM	TVD Reference:	Well @ 3004.50ust (GL: 2976' + KB: 28.5' (Part809))
Site:	Janie Corner 201-221-121	MD Reference:	Well @ 3004.50ust (GL: 2976' + KB: 28.5' (Part809))
Well:	No. 201H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Gyro/MWD	Database:	Well Planner1

Survey	MD (ustf)	Incl (°)	Azi (azimuth) (°)	TVD (ustf)	V. Soc (ustf)	NS (ustf)	E/W (ustf)	Closure Distance (ustf)	Closure Azimuth (°)	Northing (ustf)	Easting (ustf)
14,812.00		87.98	88.94	9,754.57	5,288.01	39.99	5,287.90	5,288.05	89.57	445,316.99	592,922.90
HL Xing: 14812' MD											
14,847.00		88.10	89.00	9,755.77	5,322.99	40.62	5,322.88	5,323.03	89.56	445,317.62	592,957.88
Last Survey: 14847' MD, 9755.77' TVD											
14,915.00		88.10	89.00	9,758.02	5,390.95	41.81	5,390.83	5,390.99	89.56	445,318.81	593,025.83
PTB: 14915' MD, 9758.02' TVD											

Design Annotations				Local Coordinates		Comment
Measured Depth (ustf)	Vertical Depth (ustf)	+N/S (ustf)	+E/W (ustf)			
669.00	668.93	-7.21	-4.06	Pro MWD First Survey: 669' MD		
9,809.00	9,621.59	12.76	300.05	LL Xing: 9809' MD		
10,148.00	9,696.99	4.84	628.78	HL Xing: 10148' MD		
14,812.00	9,754.57	39.99	5,287.90	HL Xing: 14812' MD		
14,847.00	9,755.77	40.62	5,322.88	Last Survey: 14847' MD, 9755.77' TVD		
14,915.00	9,758.02	41.81	5,390.83	PTB: 14915' MD, 9758.02' TVD		



Scientific Drilling

EDGE PETROLEUM

Field: Dos Hermanos
Site: Eddy County, NM
Well: Golden Lane 29 State #1
Wellpath: VH - Job #32K0905680
Survey: 09/15/05

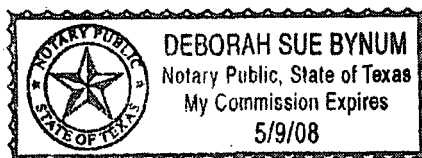
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Richardson*..... Company Representative

Notorized this date 16th of October, 2005.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas





Scientific Drilling International

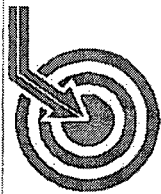
Survey Report

Company: EDGE PETROLEUM	Date: 10/16/2005	Time: 17:30:48	Page: 1
Field: Dos Hermanos	Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North		
Site: Eddy County, NM	Vertical (TVD) Reference: SITE 0.0		
Well: Golden Lane 29 State #1	Section (VS) Reference: Well (0.00N,0.00E,300.95Azi)		
Wellpath: VH - Job #32K0905680	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 09/15/05	Start Date: 9/15/2005
Company: Scientific Drilling Internatio	Engineer: Foster w/P&M
Tool: Keeper;Keeper Gyro	Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	359.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.13	187.22	100.00	-0.05	-0.11	-0.01	0.13	0.11	187.22
200.00	0.20	165.76	200.00	-0.22	-0.39	0.01	0.09	0.39	177.91
300.00	0.15	214.68	300.00	-0.33	-0.67	-0.02	0.15	0.67	181.46
400.00	0.09	240.59	400.00	-0.28	-0.82	-0.16	0.08	0.83	191.08
500.00	0.12	225.15	500.00	-0.22	-0.93	-0.30	0.04	0.98	198.03
600.00	0.26	247.93	600.00	-0.06	-1.09	-0.59	0.16	1.24	208.34
700.00	0.15	222.70	700.00	0.11	-1.27	-0.89	0.14	1.55	214.90
800.00	0.08	249.64	800.00	0.18	-1.39	-1.04	0.09	1.74	216.80
900.00	0.11	258.90	900.00	0.29	-1.43	-1.20	0.03	1.87	219.94
1000.00	0.04	204.82	1000.00	0.36	-1.48	-1.31	0.09	1.98	221.42
1100.00	0.33	54.68	1100.00	0.24	-1.35	-1.09	0.37	1.73	218.91
1200.00	0.33	59.46	1199.99	-0.01	-1.04	-0.61	0.03	1.20	210.31
1300.00	0.48	64.90	1299.99	-0.38	-0.71	0.02	0.15	0.71	178.25
1400.00	0.46	70.02	1399.99	-0.87	-0.40	0.78	0.05	0.87	117.04
1500.00	0.50	68.22	1499.99	-1.39	-0.10	1.56	0.04	1.56	93.60
1600.00	0.58	76.57	1599.98	-2.01	0.18	2.46	0.11	2.46	85.78
1700.00	0.63	87.58	1699.98	-2.84	0.32	3.50	0.13	3.51	84.74
1800.00	0.72	82.24	1799.97	-3.79	0.43	4.67	0.11	4.69	84.74
1900.00	0.99	87.33	1899.96	-4.99	0.56	6.16	0.28	6.18	84.85
2000.00	1.67	92.21	1999.93	-6.99	0.54	8.48	0.69	8.49	86.36
2100.00	1.94	98.72	2099.88	-9.84	0.23	11.61	0.34	11.61	88.88
2200.00	2.13	105.05	2199.82	-13.19	-0.51	15.07	0.29	15.08	91.95
2300.00	1.93	105.75	2299.75	-16.60	-1.45	18.49	0.20	18.55	94.49
2400.00	1.90	95.71	2399.70	-19.73	-2.07	21.76	0.34	21.86	95.45
2500.00	1.00	73.03	2499.67	-21.81	-1.98	24.24	1.05	24.32	94.68
2600.00	1.13	59.92	2599.65	-22.87	-1.24	25.93	0.28	25.96	92.73
2700.00	1.43	53.00	2699.62	-23.82	0.01	27.78	0.34	27.78	89.98
2800.00	1.72	59.98	2799.59	-25.02	1.51	30.08	0.35	30.11	87.12
2900.00	1.85	62.45	2899.54	-26.59	3.01	32.81	0.15	32.94	84.76
3000.00	1.65	75.24	2999.49	-28.44	4.12	35.63	0.44	35.87	83.40
3100.00	1.39	70.78	3099.46	-30.22	4.89	38.17	0.29	38.48	82.70
3200.00	1.19	75.45	3199.43	-31.72	5.55	40.32	0.23	40.70	82.16
3300.00	1.28	70.06	3299.41	-33.16	6.19	42.37	0.15	42.82	81.69
3400.00	1.32	69.30	3399.38	-34.58	6.98	44.50	0.04	45.04	81.09
3500.00	1.25	68.50	3499.36	-35.96	7.78	46.59	0.07	47.24	80.51
3600.00	1.10	72.10	3599.34	-37.25	8.48	48.52	0.17	49.26	80.09
3700.00	1.07	83.71	3699.32	-38.63	8.88	50.36	0.22	51.14	80.00
3800.00	0.64	97.32	3799.31	-39.88	8.91	51.84	0.47	52.60	80.25
3900.00	0.72	105.21	3899.30	-41.00	8.67	53.00	0.12	53.71	80.71
3958.00	0.85	111.64	3957.29	-41.77	8.42	53.76	0.27	54.41	81.10



**Scientific
Drilling**

**Field: Dos Hermanos
Site: Eddy County, NM
Well: Golden Lane 29 State #1
Wellpath: VH - Job #32K0905680
Survey: 09/15/05**

