



PRODIRECTIONAL

RECEIVED

MAR 18 2019

DISTRICT II-ARTESIA O.C.D.



SST 6 State Com No. 122H

Eddy County, NM

January 08, 2019

30-015-45369

Job No. LNM5193718

ORIGINAL

Survey Completion Report



PRODIRECTIONAL

Survey Certification Letter

January 08, 2019



Operator Name: Matador Resources
Well Name: SST 6 State Com No. 122H
County/Parish: Eddy County,
State: NM
Rig Name: Patterson 809
Job Number: LNM5193718

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	199' MD – 12,294' MD	12,360' MD	12/05/18 – 12/15/18	MWD

Sincerely,

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
SST 6 State Com
No. 122H
OH

Survey: ProDirectional

Survey Report

08 January, 2019

RECEIVED

MAR 18 2019

DISTRICT II-ARTESIA O.C.D.





ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 122H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3418.50usft
Site:	SST 6 State Com	MD Reference:	Well @ 3418.50usft
Well:	No. 122H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-199'-12294', Proj. 12360'	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		SST 6 State Com									
Site Position:		Northing:		616,553.00 usft		Latitude:		32.694767			
From:		Map		Easting:		606,727.00 usft		Longitude:		-104.120773	
Position Uncertainty:		0.00 usft		Slot Radius:		13-3/16 "		Grid Convergence:		0.11 °	

Well	No. 122H.					
Well Position	+N/-S	0.00 usft	Northing:	616,553.00 usft	Latitude:	32.694767
	+E/-W	0.00 usft	Easting:	606,727.00 usft	Longitude:	-104.120773
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft	Ground Level:	3,390.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	12/5/2018	7.32	60.47	48,024.80

Design: MWD-199'-12294' Proj. 12360'				
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	90.87

Survey Program		Date	1/8/2019		
From	To	Survey (Wellbore)	Tool Name	Description	
(usft)	(usft)				
199.00	12,360.00	Survey #1 (OH)	MWD+HDGM	OWSG MWD + HRGM	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 122H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3418.50usft
Site:	SST 6 State Com	MD Reference:	Well @ 3418.50usft
Well:	No. 122H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-199'-12294', Proj. 12360'	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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	616,553.00	606,727.00	
199.00	0.40	12.80	199.00	0.14	0.68	0.15	0.69	12.80	616,553.68	606,727.15	
Pro MWD First Survey: 199' MD											
338.00	0.30	307.40	338.00	-0.05	1.37	-0.03	1.37	358.84	616,554.37	606,726.97	
432.00	0.40	306.00	431.99	-0.51	1.71	-0.49	1.78	344.09	616,554.71	606,726.51	
508.00	1.10	245.40	507.99	-1.39	1.57	-1.37	2.08	318.89	616,554.57	606,725.63	
598.00	2.00	210.30	597.96	-2.94	-0.15	-2.94	2.95	267.09	616,552.85	606,724.06	
690.00	1.60	208.50	689.91	-4.33	-2.66	-4.37	5.12	238.61	616,550.34	606,722.63	
782.00	2.50	204.00	781.85	-5.71	-5.63	-5.80	8.08	225.85	616,547.37	606,721.20	
874.00	3.20	214.00	873.74	-7.90	-9.59	-8.05	12.52	220.01	616,543.41	606,718.95	
967.00	2.90	210.60	966.61	-10.49	-13.76	-10.70	17.43	217.85	616,539.24	606,716.30	
1,060.00	2.10	221.40	1,059.52	-12.76	-17.07	-13.02	21.47	217.34	616,535.93	606,713.98	
1,153.00	3.00	208.20	1,152.42	-14.99	-20.49	-15.30	25.57	216.75	616,532.51	606,711.70	
1,246.00	4.30	211.00	1,245.23	-17.85	-25.62	-18.24	31.46	215.45	616,527.38	606,708.76	
1,340.00	4.10	216.10	1,338.98	-21.56	-31.36	-22.04	38.33	215.10	616,521.64	606,704.96	
1,433.00	3.50	213.10	1,431.78	-24.99	-36.42	-25.55	44.49	215.05	616,516.58	606,701.45	
1,526.00	2.90	215.40	1,524.63	-27.84	-40.72	-28.46	49.68	214.95	616,512.28	606,698.54	
1,619.00	2.70	216.70	1,617.52	-30.46	-44.39	-31.13	54.22	215.04	616,508.61	606,695.87	
1,712.00	2.30	209.80	1,710.43	-32.64	-47.77	-33.37	58.27	214.94	616,505.23	606,693.63	
1,805.00	1.50	215.90	1,803.38	-34.24	-50.38	-35.01	61.35	214.80	616,502.62	606,691.99	
1,898.00	2.10	190.60	1,896.34	-35.23	-53.04	-36.04	64.12	214.20	616,499.96	606,690.96	
1,991.00	3.10	197.20	1,989.24	-36.22	-57.11	-37.10	68.10	213.00	616,495.89	606,689.90	
2,084.00	2.80	193.60	2,082.12	-37.43	-61.72	-38.37	72.68	211.87	616,491.28	606,688.63	
2,177.00	2.10	201.80	2,175.03	-38.54	-65.51	-39.54	76.52	211.11	616,487.49	606,687.46	
2,270.00	2.00	194.10	2,267.97	-39.52	-68.67	-40.57	79.76	210.57	616,484.33	606,686.43	
2,347.00	1.50	200.60	2,344.93	-40.17	-70.92	-41.25	82.04	210.19	616,482.08	606,685.75	
2,456.00	1.20	196.30	2,453.90	-40.95	-73.35	-42.07	84.56	209.84	616,479.65	606,684.93	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 122H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3418.50usft
Site:	SST-6 State Com	MD Reference:	Well @ 3418.50usft
Well:	No. 122H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-199-12294' Proj. 12360'	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)	
2,550.00	3.00	194.30	2,547.84	-41.79	-76.68	-42.96	87.89	209.26	616,476.32	606,684.04	
2,644.00	4.90	195.20	2,641.61	-43.35	-82.93	-44.62	94.17	208.28	616,470.07	606,682.38	
2,737.00	6.20	198.70	2,734.17	-45.87	-91.52	-47.27	103.01	207.31	616,461.48	606,679.73	
2,831.00	7.80	206.10	2,827.47	-50.15	-102.06	-51.70	114.41	206.87	616,450.94	606,675.30	
2,924.00	9.60	204.90	2,919.40	-56.00	-114.76	-57.74	128.47	206.71	616,438.24	606,669.26	
3,018.00	10.50	202.90	3,011.95	-62.40	-129.76	-64.38	144.86	206.39	616,423.24	606,662.62	
3,111.00	10.40	203.40	3,103.41	-68.79	-145.27	-71.01	161.70	206.05	616,407.73	606,655.99	
3,205.00	10.40	203.70	3,195.87	-75.34	-160.83	-77.79	178.65	205.81	616,392.17	606,649.21	
3,298.00	10.30	204.10	3,287.35	-81.87	-176.10	-84.56	195.35	205.65	616,376.90	606,642.44	
3,392.00	10.30	203.90	3,379.84	-88.48	-191.46	-91.39	212.15	205.52	616,361.54	606,635.61	
3,485.00	10.00	205.10	3,471.38	-95.04	-206.37	-98.19	228.54	205.44	616,346.63	606,628.81	
3,579.00	9.50	206.80	3,564.03	-101.78	-220.69	-105.15	244.46	205.48	616,332.31	606,621.85	
3,672.00	9.10	208.40	3,655.80	-108.54	-234.01	-112.11	259.47	205.60	616,318.99	606,614.89	
3,765.00	10.10	205.60	3,747.50	-115.35	-247.83	-119.13	274.98	205.67	616,305.17	606,607.87	
3,858.00	10.10	204.70	3,839.06	-122.06	-262.59	-126.06	291.28	205.64	616,290.41	606,600.94	
3,952.00	9.70	205.80	3,931.66	-128.72	-277.21	-132.95	307.44	205.62	616,275.79	606,594.05	
4,045.00	9.50	206.20	4,023.36	-135.31	-291.15	-139.75	322.95	205.64	616,261.85	606,587.25	
4,139.00	9.20	206.30	4,116.11	-141.86	-304.85	-146.50	338.22	205.67	616,248.15	606,580.50	
4,232.00	8.80	207.40	4,207.96	-148.23	-317.83	-153.07	352.77	205.72	616,235.17	606,573.93	
4,326.00	9.90	199.00	4,300.72	-153.95	-331.85	-159.01	367.98	205.60	616,221.15	606,567.99	
4,419.00	10.50	196.20	4,392.25	-158.68	-347.55	-163.98	384.29	205.26	616,205.45	606,563.02	
4,513.00	10.30	196.60	4,484.70	-163.22	-363.83	-168.77	401.07	204.88	616,189.17	606,558.23	
4,606.00	9.90	196.10	4,576.26	-167.58	-379.48	-173.36	417.20	204.55	616,173.52	606,553.64	
4,700.00	9.70	196.90	4,668.89	-171.89	-394.82	-177.90	433.05	204.26	616,158.18	606,549.10	
4,793.00	9.50	195.70	4,760.59	-176.01	-409.70	-182.26	448.41	203.98	616,143.30	606,544.74	
4,887.00	10.80	199.40	4,853.11	-180.80	-425.48	-187.28	464.87	203.76	616,127.52	606,539.72	
4,980.00	10.30	198.90	4,944.54	-186.14	-441.56	-192.87	481.85	203.60	616,111.44	606,534.13	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 122H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3418.50usft
Site:	SST 6 State Com	MD Reference:	Well @ 3418.50usft
Well:	No. 122H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-199'-12294' Proj. 12360'	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)	
5,074.00	10.20	199.00	5,037.04	-191.33	-457.38	-198.30	498.52	203.44	616,095.62	606,528.70	
5,167.00	10.10	200.00	5,128.59	-196.57	-472.83	-203.77	514.87	203.31	616,080.17	606,523.23	
5,261.00	9.90	201.30	5,221.16	-202.09	-488.11	-209.52	531.18	203.23	616,064.89	606,517.48	
5,355.00	9.70	202.60	5,313.79	-207.84	-502.95	-215.50	547.17	203.19	616,050.05	606,511.50	
5,448.00	9.30	205.60	5,405.51	-213.89	-516.96	-221.76	562.51	203.22	616,036.04	606,505.24	
5,542.00	8.80	207.50	5,498.34	-220.29	-530.18	-228.36	577.27	203.30	616,022.82	606,498.64	
5,635.00	8.30	209.60	5,590.31	-226.70	-542.33	-234.96	591.04	203.42	616,010.67	606,492.04	
5,728.00	7.90	212.90	5,682.38	-233.32	-553.53	-241.75	604.02	203.59	615,999.47	606,485.25	
5,822.00	6.60	217.80	5,775.63	-239.99	-563.23	-248.57	615.64	203.81	615,989.77	606,478.43	
5,916.00	6.20	221.40	5,869.04	-246.53	-571.30	-255.24	625.73	204.07	615,981.70	606,471.76	
6,009.00	6.80	219.10	5,961.44	-253.21	-579.34	-262.03	635.84	204.34	615,973.66	606,464.97	
6,103.00	6.70	218.10	6,054.79	-259.97	-587.98	-268.93	646.56	204.58	615,965.02	606,458.07	
6,196.00	6.50	220.10	6,147.18	-266.58	-596.27	-275.66	656.91	204.81	615,956.73	606,451.34	
6,288.00	5.70	228.10	6,238.66	-273.23	-603.31	-282.42	666.14	205.09	615,949.69	606,444.58	
6,382.00	5.40	233.30	6,332.22	-280.16	-609.07	-289.44	674.34	205.42	615,943.93	606,437.56	
6,475.00	5.30	236.90	6,424.81	-287.19	-614.03	-296.55	681.89	205.78	615,938.97	606,430.45	
6,569.00	4.20	220.80	6,518.49	-293.00	-619.01	-302.43	688.94	206.04	615,933.99	606,424.57	
6,663.00	1.60	180.10	6,612.37	-295.19	-622.92	-304.69	693.45	206.06	615,930.08	606,422.31	
6,756.00	0.70	54.90	6,705.36	-294.71	-623.90	-304.22	694.12	205.99	615,929.10	606,422.78	
6,850.00	0.40	12.80	6,799.36	-294.18	-623.25	-303.68	693.29	205.98	615,929.75	606,423.32	
6,944.00	1.00	257.40	6,893.35	-294.91	-623.11	-304.41	693.49	206.04	615,929.89	606,422.59	
7,001.00	1.50	250.10	6,950.34	-296.09	-623.47	-305.59	694.33	206.11	615,929.53	606,421.41	
7,097.00	5.60	169.50	7,046.17	-296.34	-628.50	-305.92	699.00	205.95	615,924.50	606,421.08	
7,144.00	12.70	157.90	7,092.54	-293.87	-635.56	-303.56	704.33	205.53	615,917.44	606,423.44	
7,190.00	19.60	151.50	7,136.70	-288.11	-647.04	-297.97	712.35	204.73	615,905.96	606,429.03	
7,284.00	32.00	136.80	7,221.25	-262.93	-679.20	-273.27	732.12	201.92	615,873.80	606,453.73	
7,377.00	41.00	123.30	7,296.05	-219.88	-714.04	-230.75	750.40	197.91	615,838.96	606,496.25	



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD 83)
Site: SST 6 State Com
Well: No. 122H
Wellbore: OH
Design: MWD-199'-12294' Proj. 12360'

Local Co-ordinate Reference: Well No. 122H
TVD Reference: Well @ 3418.50usft
MD Reference: Well @ 3418.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)	
7,470.00	50.50	120.30	7,360.88	-162.75	-748.98	-174.14	768.96	193.09	615,804.02	606,552.86	
7,564.00	55.30	126.20	7,417.60	-99.56	-790.15	-111.57	797.98	188.04	615,762.85	606,615.43	
7,657.00	57.90	118.70	7,468.84	-33.46	-831.69	-46.10	832.97	183.17	615,721.31	606,680.90	
7,751.00	64.80	111.30	7,513.93	41.77	-866.34	28.62	866.81	178.11	615,686.66	606,755.62	
7,844.00	71.90	107.00	7,548.23	123.80	-894.59	110.23	901.36	172.98	615,658.41	606,837.23	
7,938.00	73.70	99.60	7,576.06	211.42	-915.20	197.54	936.28	167.82	615,637.80	606,924.54	
8,031.00	80.00	92.50	7,597.24	301.51	-924.66	287.50	968.33	162.73	615,628.34	607,014.50	
8,125.00	89.00	89.90	7,606.24	394.97	-926.61	380.94	1,001.86	157.65	615,626.39	607,107.94	
8,218.00	88.70	89.80	7,608.11	487.94	-926.36	473.92	1,040.55	152.91	615,626.64	607,200.92	
8,312.00	88.60	89.50	7,610.32	581.89	-925.79	567.90	1,086.09	148.47	615,627.21	607,294.90	
8,405.00	88.10	89.10	7,613.00	674.81	-924.65	660.85	1,136.53	144.45	615,628.35	607,387.85	
8,499.00	86.60	87.40	7,617.34	768.61	-921.79	754.70	1,191.33	140.69	615,631.21	607,481.70	
8,592.00	85.50	89.80	7,623.75	861.31	-919.52	847.44	1,250.47	137.34	615,633.48	607,574.44	
8,686.00	87.60	91.80	7,629.41	955.13	-920.83	941.25	1,316.77	134.37	615,632.17	607,668.25	
8,779.00	88.00	92.40	7,632.98	1,048.04	-924.23	1,034.12	1,386.95	131.79	615,628.77	607,761.12	
8,873.00	86.70	92.30	7,637.32	1,141.90	-928.09	1,127.94	1,460.68	129.45	615,624.91	607,854.94	
8,966.00	88.10	91.40	7,641.54	1,234.79	-931.08	1,220.79	1,535.33	127.33	615,621.92	607,947.79	
9,060.00	89.10	90.50	7,643.84	1,328.76	-932.64	1,314.75	1,611.95	125.35	615,620.36	608,041.75	
9,153.00	89.10	89.90	7,645.30	1,421.74	-932.97	1,407.74	1,688.83	123.53	615,620.03	608,134.74	
9,247.00	89.00	89.20	7,646.86	1,515.70	-932.23	1,501.72	1,767.54	121.83	615,620.77	608,228.72	
9,340.00	89.20	88.90	7,648.32	1,608.64	-930.69	1,594.70	1,846.41	120.27	615,622.31	608,321.70	
9,433.00	89.30	89.10	7,649.54	1,701.59	-929.06	1,687.67	1,926.50	118.83	615,623.94	608,414.67	
9,527.00	85.80	89.10	7,653.55	1,795.44	-927.59	1,781.56	2,008.58	117.50	615,625.41	608,508.56	
9,621.00	84.90	89.10	7,661.17	1,889.09	-926.12	1,875.24	2,091.46	116.28	615,626.88	608,602.24	
9,714.00	86.60	89.90	7,668.07	1,981.80	-925.31	1,967.98	2,174.66	115.18	615,627.69	608,694.98	
9,807.00	87.80	92.70	7,672.61	2,074.67	-927.42	2,060.83	2,259.89	114.23	615,625.58	608,787.83	
9,900.00	88.40	92.90	7,675.69	2,167.57	-931.96	2,153.67	2,346.66	113.40	615,621.04	608,880.67	



ProDirectional Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well No. 122H
Project:	Eddy County, NM (NAD 83)	TVD Reference:	Well @ 3418.50usft
Site:	SST 6 State Corn	MD Reference:	Well @ 3418.50usft
Well:	No. 122H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	MWD-199'-12294' Proj. 12360'	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)	
9,994.00	89.20	92.70	7,677.66	2,261.50	-936.55	2,247.53	2,434.86	112.62	615,616.45	608,974.53	
10,087.00	89.30	93.00	7,678.88	2,354.43	-941.17	2,340.41	2,522.56	111.91	615,611.83	609,067.41	
10,181.00	89.70	93.00	7,679.70	2,448.36	-946.09	2,434.28	2,611.67	111.24	615,606.91	609,161.28	
10,274.00	89.80	93.00	7,680.11	2,541.30	-950.96	2,527.15	2,700.15	110.62	615,602.04	609,254.15	
10,368.00	90.60	92.70	7,679.78	2,635.24	-955.63	2,621.03	2,789.81	110.03	615,597.37	609,348.03	
10,462.00	88.20	92.00	7,680.76	2,729.20	-959.49	2,714.94	2,879.50	109.46	615,593.51	609,441.94	
10,555.00	88.00	92.00	7,683.85	2,822.13	-962.73	2,807.83	2,968.30	108.93	615,590.27	609,534.83	
10,649.00	86.00	92.00	7,688.76	2,915.98	-966.01	2,901.64	3,058.22	108.41	615,586.99	609,628.64	
10,742.00	85.40	92.00	7,695.74	3,008.70	-969.24	2,994.32	3,147.29	107.94	615,583.76	609,721.32	
10,835.00	85.90	91.80	7,702.79	3,101.41	-972.32	3,087.00	3,236.51	107.48	615,580.68	609,814.00	
10,929.00	86.20	91.70	7,709.27	3,195.18	-975.18	3,180.74	3,326.87	107.04	615,577.82	609,907.74	
11,022.00	86.00	91.60	7,715.59	3,287.95	-977.85	3,273.48	3,416.41	106.63	615,575.15	610,000.48	
11,115.00	87.80	91.90	7,720.62	3,380.80	-980.69	3,366.30	3,506.24	106.24	615,572.31	610,093.30	
11,208.00	87.90	91.90	7,724.11	3,473.72	-983.77	3,459.18	3,596.35	105.88	615,569.23	610,186.18	
11,301.00	88.50	92.60	7,727.03	3,566.65	-987.42	3,552.07	3,686.75	105.54	615,565.58	610,279.07	
11,395.00	88.40	93.10	7,729.57	3,660.56	-992.09	3,645.91	3,778.48	105.22	615,560.91	610,372.91	
11,488.00	90.10	92.60	7,730.79	3,753.49	-996.71	3,738.79	3,869.36	104.93	615,556.29	610,465.79	
11,582.00	90.90	92.20	7,729.97	3,847.45	-1,000.65	3,832.70	3,961.17	104.63	615,552.35	610,559.70	
11,675.00	91.20	90.40	7,728.27	3,940.43	-1,002.76	3,925.66	4,051.70	104.33	615,550.24	610,652.66	
11,769.00	92.00	89.70	7,725.64	4,034.38	-1,002.84	4,019.62	4,142.83	104.01	615,550.16	610,746.62	
11,862.00	89.60	88.50	7,724.34	4,127.32	-1,001.38	4,112.59	4,232.75	103.68	615,551.62	610,839.59	
11,955.00	89.40	88.60	7,725.16	4,220.24	-999.03	4,205.56	4,322.59	103.36	615,553.97	610,932.56	
12,049.00	88.80	88.50	7,726.63	4,314.15	-996.65	4,299.51	4,413.52	103.05	615,556.35	611,026.51	
12,142.00	88.50	88.30	7,728.82	4,407.04	-994.05	4,392.45	4,503.53	102.75	615,558.95	611,119.45	
12,236.00	88.80	87.90	7,731.04	4,500.90	-990.94	4,486.37	4,594.51	102.46	615,562.06	611,213.37	
12,294.00	88.80	87.70	7,732.25	4,558.81	-988.71	4,544.32	4,650.63	102.27	615,564.29	611,271.32	
Last Survey: 12294' MD											



ProDirectional Survey Report



Company: Matador Resources
Project: Eddy County, NM (NAD 83)
Site: SST 6 State Com
Well: No. 122H
Wellbore: OH
Design: MWD-199'-12294', Proj. 12360'

Local Co-ordinate Reference: Well No. 122H
TVD Reference: Well @ 3418.50usft
MD Reference: Well @ 3418.50usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
12,360.00	88.80	87.70	7,733.63	4,624.69	-986.06	4,610.25	4,714.52	102.07	615,566.94	611,337.25
PTB: 12360' MD										

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
199.00	199.00	0.68	0.15	Pro MWD First Survey: 199' MD
12,294.00	7,732.25	-988.71	4,544.32	Last Survey: 12294' MD
12,360.00	7,733.63	-986.06	4,610.25	PTB: 12360' MD