



30-015-43542

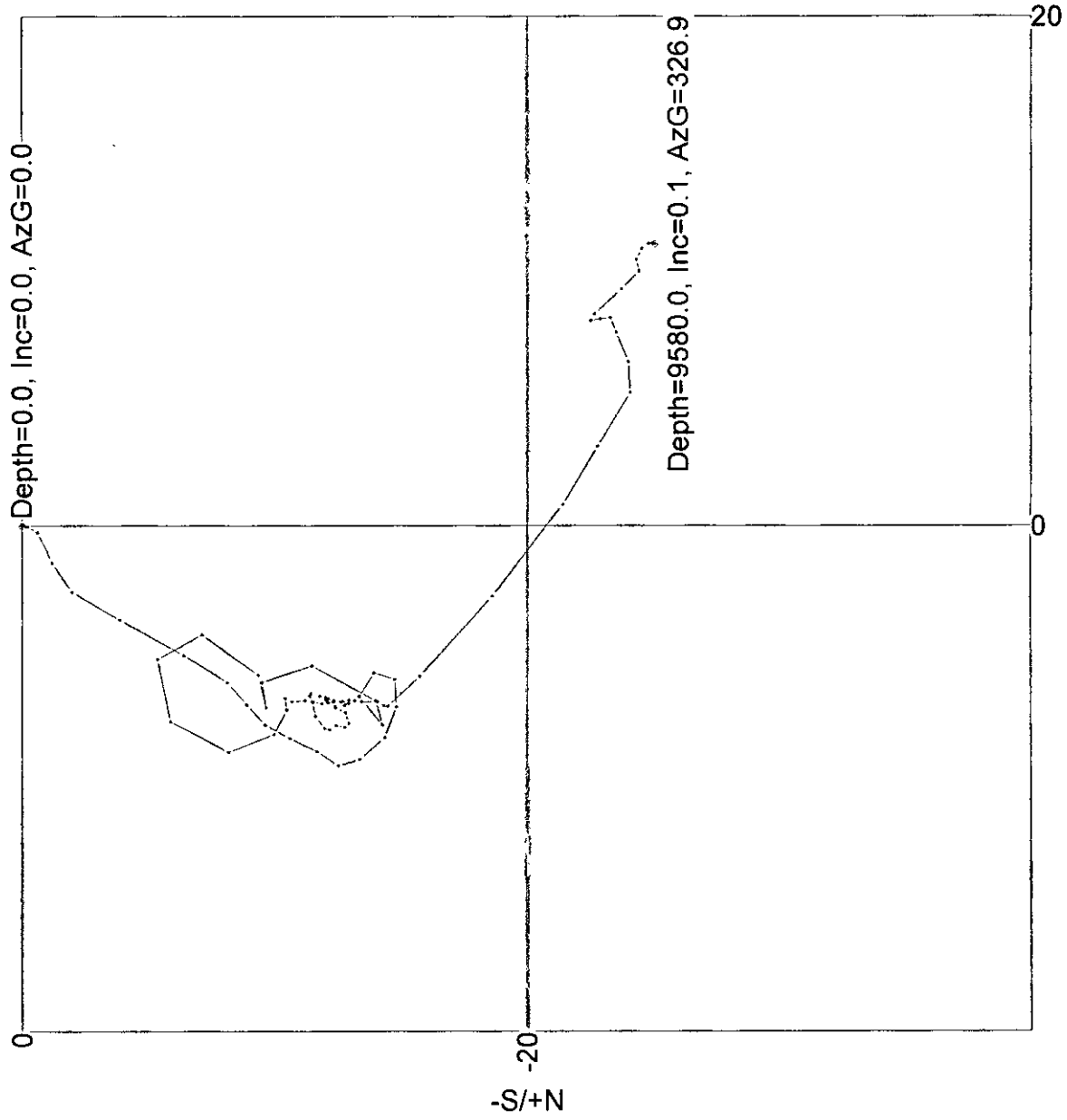
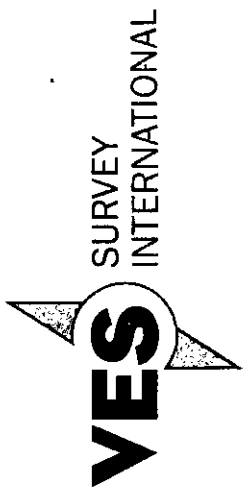
I Jason Wilson certify that I am employed by VES Survey International. That I did on the day(s) of 01/20/16 through 01/20/16 conduct or supervise the taking of a Rate Gyro survey from a depth of 0.00 feet to a depth of 9,580.00 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Vaughn Energy Services, that I am authorized and qualified to make this report; that this survey was conducted at the request of Matador Production for the Jimmy Kone 05-24S-28E RB Well # # 228H API # 30-015-43542 in Eddy County / Parish New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by VES Survey International.



Jason Wilson
Service Technician
VES Survey International



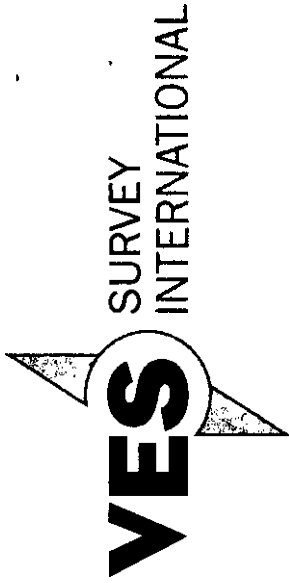
VES Survey International
Fort Worth Tx
Surveyor: Jason Wilson
(817) 718-1320
Jimmy Kone 05 24S 28E RB No 228H / API 30-015-43542



VES Survey Date: 1/19/2016



Company: Matador Production
Lease/Well: Jimmy Kone 05 24S 28E RB No/228H
Location: M-4-24-S-28-E-161-S-380 W Eddy
Rig Name: Patterson 809
State/County: Texas/Eddy
VS-Azi: 0.00 Degrees
Latitude: 32.24139, Longitude: -104.11569
Grid North = True North -0.12 degs (NAD 27)
Grid Correction Applied = -0.12 degs



NM OIL CONSERVATION
ARTESIA DISTRICT
JUN 29 2016
RECEIVED

RKB : 28.5

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: gyro survey.ut
Minimum Curvature Method
Report Date/Time: 1/22/2016 / 15:16

VES Survey International
Fort Worth Tx
Surveyor: Jason Wilson
(817) 718-1320

Jimmy Kone 05 24S 28E RB No 228H / API 30-015-43542

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
50.00	0.48	188.61	50.00	-0.21	-0.03	-0.21	0.21	188.61	0.97
100.00	0.62	224.00	100.00	-0.61	-0.25	-0.61	0.66	202.39	0.73
200.00	0.98	256.41	199.99	-1.21	-1.46	-1.21	1.90	230.50	0.56
300.00	0.76	208.08	299.98	-1.99	-2.61	-1.99	3.28	232.60	0.74
400.00	1.75	210.78	399.95	-3.89	-3.70	-3.89	5.37	223.57	0.99
500.00	1.56	206.64	499.91	-6.42	-5.09	-6.42	8.19	218.43	0.22
600.00	0.78	221.97	599.89	-8.14	-6.16	-8.14	10.20	217.10	0.84
700.00	0.59	240.07	699.88	-8.90	-7.05	-8.90	11.35	218.40	0.29
800.00	0.68	215.60	799.88	-9.64	-7.84	-9.64	12.42	219.13	0.28
900.00	0.60	201.17	899.87	-10.61	-8.38	-10.61	13.52	218.29	0.18
1000.00	0.77	208.73	999.86	-11.69	-8.89	-11.69	14.68	217.25	0.19
1100.00	0.40	224.02	1099.86	-12.53	-9.45	-12.53	15.69	217.04	0.40
1200.00	0.88	140.10	1199.85	-13.37	-9.20	-13.37	16.23	214.53	0.93
1300.00	0.62	138.25	1299.84	-14.36	-8.34	-14.36	16.61	210.15	0.26
1400.00	0.99	93.32	1399.83	-14.82	-7.12	-14.82	16.44	205.67	0.70
1500.00	0.29	63.66	1499.83	-14.76	-6.04	-14.76	15.94	202.25	0.75
1600.00	0.81	2.47	1599.82	-13.94	-5.78	-13.94	15.09	202.54	0.72
1700.00	1.11	263.15	1699.81	-13.34	-6.71	-13.34	14.93	206.70	1.48

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1800.00	0.96	191.83	1799.80	-14.28	-7.84	-14.28	16.29	208.78	1.21
1900.00	1.79	46.10	1899.79	-14.01	-6.89	-14.01	15.61	206.18	2.64
2000.00	1.69	9.70	1999.75	-11.47	-5.51	-11.47	12.73	205.66	1.09
2100.00	1.18	300.25	2099.72	-9.50	-6.16	-9.50	11.32	212.94	1.69
2200.00	0.79	189.55	2199.71	-9.66	-7.16	-9.66	12.03	216.55	1.64
2300.00	1.96	54.79	2299.69	-9.36	-5.88	-9.36	11.05	212.14	2.58
2400.00	1.43	8.94	2399.65	-7.14	-4.29	-7.14	8.33	210.99	1.41
2500.00	1.45	294.59	2499.63	-5.38	-5.25	-5.38	7.51	224.30	1.74
2600.00	1.91	231.49	2599.59	-5.89	-7.71	-5.89	9.70	232.62	1.81
2700.00	1.45	175.43	2699.56	-8.19	-8.91	-8.19	12.11	227.40	1.63
2800.00	0.90	131.90	2799.54	-9.99	-8.22	-9.99	12.94	219.47	1.01
2900.00	0.45	86.00	2899.53	-10.49	-7.24	-10.49	12.74	214.63	0.67
3000.00	0.09	54.82	2999.53	-10.41	-6.78	-10.41	12.43	213.08	0.38
3100.00	0.43	212.33	3099.53	-10.69	-6.92	-10.69	12.73	212.93	0.51
3200.00	0.34	129.41	3199.53	-11.19	-6.89	-11.19	13.14	211.62	0.52
3300.00	0.09	130.12	3299.53	-11.43	-6.60	-11.43	13.20	210.01	0.26
3400.00	0.20	299.99	3399.53	-11.39	-6.70	-11.39	13.21	210.45	0.29
3500.00	0.23	204.40	3499.53	-11.48	-6.93	-11.48	13.41	211.11	0.32
3600.00	0.24	181.52	3599.53	-11.87	-7.02	-11.87	13.79	210.59	0.09
3700.00	0.21	74.90	3699.52	-12.04	-6.85	-12.04	13.85	209.65	0.36
3800.00	0.24	352.07	3799.52	-11.78	-6.71	-11.78	13.56	209.65	0.29
3900.00	0.26	288.63	3899.52	-11.51	-6.95	-11.51	13.44	211.13	0.26
4000.00	0.44	241.84	3999.52	-11.61	-7.50	-11.61	13.82	212.85	0.32
4100.00	0.27	219.54	4099.52	-11.98	-7.98	-11.98	14.39	213.69	0.21
4200.00	0.12	106.33	4199.52	-12.19	-8.03	-12.19	14.60	213.39	0.34
4300.00	0.27	163.41	4299.52	-12.44	-7.87	-12.44	14.72	212.31	0.22
4400.00	0.21	225.62	4399.52	-12.79	-7.93	-12.79	15.05	211.81	0.25
4500.00	0.34	97.40	4499.52	-12.96	-7.77	-12.96	15.11	210.96	0.49
4600.00	0.26	34.76	4599.52	-12.81	-7.35	-12.81	14.77	209.86	0.32
4700.00	0.25	15.19	4699.52	-12.41	-7.17	-12.41	14.33	210.01	0.09
4800.00	0.21	178.20	4799.52	-12.39	-7.11	-12.39	14.28	209.84	0.46
4900.00	0.24	168.88	4899.51	-12.78	-7.06	-12.78	14.60	208.92	0.05
5000.00	0.07	27.18	4999.51	-12.93	-6.99	-12.93	14.70	208.41	0.30
5100.00	0.21	16.02	5099.51	-12.69	-6.91	-12.69	14.45	208.57	0.15
5200.00	0.20	350.15	5199.51	-12.34	-6.89	-12.34	14.14	209.17	0.09
5300.00	0.15	61.61	5299.51	-12.11	-6.81	-12.11	13.89	209.33	0.21
5400.00	0.08	302.17	5399.51	-12.01	-6.75	-12.01	13.78	209.33	0.20
5500.00	0.09	184.12	5499.51	-12.05	-6.82	-12.05	13.85	209.49	0.14
5600.00	0.07	329.08	5599.51	-12.08	-6.85	-12.08	13.89	209.57	0.15

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
5700.00	0.11	223.09	5699.51	-12.10	-6.95	-12.10	13.95	209.87	0.15
5800.00	0.06	43.72	5799.51	-12.13	-6.98	-12.13	13.99	209.91	0.18
5900.00	0.26	180.00	5899.51	-12.32	-6.94	-12.32	14.14	209.40	0.31
6000.00	0.09	185.91	5999.51	-12.63	-6.95	-12.63	14.41	208.82	0.17
6100.00	0.29	156.49	6099.51	-12.93	-6.86	-12.93	14.64	207.93	0.21
6200.00	0.15	270.28	6199.51	-13.16	-6.89	-13.16	14.86	207.63	0.37
6300.00	0.35	160.26	6299.51	-13.45	-6.92	-13.45	15.12	207.23	0.43
6400.00	0.39	196.65	6399.51	-14.06	-6.92	-14.06	15.67	206.19	0.23
6500.00	0.11	318.69	6499.51	-14.31	-7.08	-14.31	15.97	206.31	0.46
6600.00	0.27	171.18	6599.51	-14.47	-7.11	-14.47	16.12	206.16	0.37
6700.00	1.78	132.00	6699.49	-15.74	-5.92	-15.74	16.82	200.61	1.58
6800.00	3.10	132.57	6799.40	-18.61	-2.77	-18.61	18.82	188.47	1.32
6900.00	2.17	120.43	6899.29	-21.40	0.86	-21.40	21.42	177.71	1.09
7000.00	0.87	123.27	6999.25	-22.78	3.12	-22.78	22.99	172.19	1.30
7200.00	0.55	118.50	7199.24	-24.07	5.24	-24.07	24.63	167.72	0.16
7400.00	0.37	34.77	7399.23	-23.99	6.46	-23.99	24.85	164.93	0.32
7600.00	0.45	93.71	7599.23	-23.51	7.62	-23.51	24.71	162.04	0.21
7800.00	0.21	318.13	7799.23	-23.29	8.17	-23.29	24.68	160.68	0.31
8000.00	0.14	53.13	7999.23	-22.87	8.13	-22.87	24.27	160.44	0.13
8200.00	0.20	310.26	8199.22	-22.50	8.06	-22.50	23.90	160.29	0.13
8400.00	0.37	125.52	8399.22	-22.65	8.32	-22.65	24.14	159.82	0.29
8600.00	0.47	146.35	8599.22	-23.72	9.31	-23.72	25.48	158.56	0.09
8800.00	0.14	95.89	8799.22	-24.43	10.01	-24.43	26.40	157.72	0.20
9000.00	0.15	56.88	8999.21	-24.31	10.46	-24.31	26.47	156.72	0.05
9200.00	0.24	148.43	9199.21	-24.53	10.89	-24.53	26.84	156.06	0.14
9400.00	0.05	347.66	9399.21	-24.80	11.09	-24.80	27.16	155.90	0.15
9500.00	0.22	174.48	9499.21	-24.94	11.10	-24.94	27.30	155.01	0.27
9580.00	0.09	326.87	9579.21	-25.04	11.08	-25.04	27.38	156.13	0.38



PHOENIX

TECHNOLOGY SERVICES USA INC.

Celebrating 20 Years of Focused Solutions

3610 Elkins Road, Midland, Texas 79705 T. 432.684.0057 F. 432.686.7964 www.phxtech.com

January 21, 2016

Oil Conservation Division
State of New Mexico
811 S. First St.
Artesia, New Mexico 88210

Dear District 2 - Artesia

Attention: Regulatory Department

Re: Matador Production Company
Jimmy Kone 05 24S 28E RB #228H
Eddy County, NM
API #30-015-43542
Job No. 1610081

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 664171). Other information required by your office is as follows:

Name & Title of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Dustin Wedel	228H	0	9601.42	01/18/16	01/18/16	Gyro

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

Alicia Marquez
Operations Administrator

SURVEY CERTIFICATION FORM



3610 Elkins Road Midland, TX 79705 t:432-684-0057 f: 432-686-7964

Company: Matador Resources

Job #: 1610081

Well Name: Jimmy Kone 05-24s-28e RB #228H

County/State: Eddy/New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-43542

TIE-IN DATA

Measure Depth (ft)	Vertical Depth (ft)	Inclination (°)	Azimuth (°)	N-S Coordinates	E-W Coordinates	Data Source
0	0	0	0	0	0	Surface

First Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
2016-01-18	0	0	0

Last Survey

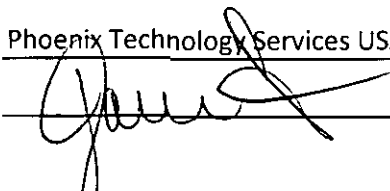
Date	Depth (ft)	Inclination (°)	Azimuth (°)
2016-01-18	9601.42	0.18	98.06

Projected TD Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
0	0	0	0

Grid Correction
-0.13

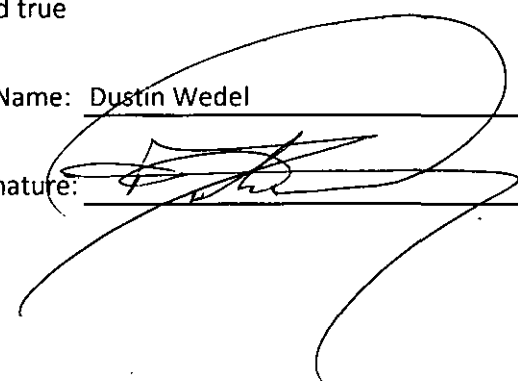
Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: 

To the best of my knowledge I certify this survey data to be correct and true

Date: 2016-01-18

Print Name: Dustin Wedel

Signature: 



Company:

Matador Resources

Job Number: 1610081

Date: 01-19-16

Calculation Method: Minimum Curvature

Well:

Jimmy Kone 05-24s-28e RB #228H

Grid Corr.: -0.13

Proposed Azimuth:

Location:

Eddy Co., NM

Lat: 32.24

RKB - MSL in feet:

28.5

Rig:

Patterson 809

Long: -104.10

Tie Into:

Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
FIELD COPY, NON-DEFINITIVE													
Enter Tie-In Survey on Line 10													
TIE IN	0.00	0.00	0.00	0	0	0	0	0					
Gyro	83.33	0.99	196.06	83	83.33	-0.69	0.69 S	0.20 W	0.72	196.06	0.99	1.19	235.28
	176.65	0.97	190.73	93	176.63	-2.24	2.24 S	0.57 W	2.31	194.24	0.09	-0.02	-5.71
	269.96	0.96	191.63	93	269.93	-3.78	3.78 S	0.87 W	3.88	193.00	0.02	-0.01	0.96
	363.28	0.84	198.67	93	363.24	-5.20	5.20 S	1.25 W	5.35	193.53	0.16	-0.13	7.54
	456.59	0.83	198.63	93	456.54	-6.49	6.49 S	1.69 W	6.70	194.56	0.01	-0.01	-0.04
	549.91	0.85	207.68	93	549.85	-7.74	7.74 S	2.22 W	8.05	196.02	0.13	0.02	9.70
	643.22	1.91	227.08	93	643.13	-9.41	9.41 S	3.68 W	10.11	201.37	1.14	1.14	20.79
	736.53	0.65	241.09	93	736.41	-10.73	10.73 S	5.29 W	11.96	206.23	1.29	-1.35	15.01
	829.85	0.45	155.77	93	829.73	-11.32	11.32 S	5.60 W	12.63	206.32	0.76	-0.21	-91.43
	923.16	0.71	189.86	93	923.04	-12.22	12.22 S	5.55 W	13.42	204.41	0.42	0.28	36.53
	1016.48	0.71	184.83	93	1016.35	-13.37	13.37 S	5.69 W	14.53	203.08	0.06	0.00	-5.39
	1109.79	0.56	219.78	93	1109.65	-14.29	14.29 S	6.03 W	15.51	202.89	0.41	-0.16	37.46
	1203.11	0.66	154.34	93	1202.97	-15.13	15.13 S	6.09 W	16.31	201.94	0.66	0.11	-70.12
	1296.42	0.73	168.66	93	1296.27	-16.19	16.19 S	5.74 W	17.18	199.53	0.19	0.08	15.35
	1389.74	0.59	144.68	93	1389.59	-17.17	17.17 S	5.35 W	17.98	197.31	0.31	-0.15	-25.70
	1483.05	0.45	120.69	93	1482.89	-17.75	17.75 S	4.76 W	18.38	195.00	0.26	-0.15	-25.71
	1576.37	0.63	105.16	93	1576.21	-18.07	18.07 S	3.95 W	18.50	192.32	0.23	0.19	-16.64
	1669.68	0.80	89.62	93	1669.51	-18.20	18.20 S	2.80 W	18.41	188.75	0.26	0.18	-16.65
	1762.99	1.39	264.09	93	1762.81	-18.31	18.31 S	3.27 W	18.60	190.14	2.19	0.63	186.98
	1856.31	1.09	168.69	93	1856.12	-19.30	19.30 S	4.23 W	19.76	192.35	1.85	-0.32	-102.23
	1949.62	1.87	82.96	93	1949.41	-19.98	19.98 S	2.54 W	20.14	187.25	2.09	0.84	-91.88
	2042.94	1.60	10.64	93	2042.69	-18.52	18.52 S	0.79 W	18.53	182.44	2.06	-0.29	-77.50
	2136.25	1.42	302.50	93	2135.98	-16.61	16.61 S	1.52 W	16.68	185.24	1.70	-0.19	312.79
	2229.57	1.10	218.76	93	2229.28	-16.69	16.69 S	3.06 W	16.97	190.39	1.70	-0.34	-89.73
	2322.88	1.76	194.10	93	2322.56	-18.78	18.78 S	3.97 W	19.19	191.94	0.89	0.71	-26.43
	2416.20	1.72	201.68	93	2415.84	-21.47	21.47 S	4.84 W	22.01	192.69	0.23	-0.04	8.12
	2509.51	1.70	204.06	93	2509.11	-24.04	24.04 S	5.92 W	24.75	193.83	0.07	-0.02	2.55



Company:

Well:

Location:

Rig:

Matador Resources

Jimmy Kone 05-24s-28e RB #228H

Eddy Co., NM

Patterson 809

Job Number:

Grid Corr.:

Lat:

Long:

1610081

-0.13

32.24

-104.10

Calculation Method:

Proposed Azimuth:

RKB - MSL in feet:

Tie Into:

Minimum Curvature

28.5

Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	2602.83	1.69	272.55	93	2602.40	-25.24	25.24 S	7.86 W	26.43	197.29	1.91	-0.01	73.39
	2696.14	1.96	196.46	93	2695.67	-26.71	26.71 S	9.68 W	28.41	199.93	2.26	0.29	-81.55
	2789.46	1.59	147.93	93	2788.95	-29.34	29.34 S	9.45 W	30.82	197.85	1.50	-0.40	-52.00
	2882.77	0.96	101.55	93	2882.24	-30.59	30.59 S	8.00 W	31.62	194.65	1.16	-0.68	-49.71
	2976.08	0.41	232.51	93	2975.55	-30.95	30.95 S	7.49 W	31.84	193.61	1.27	-0.59	140.35
	3069.40	0.69	309.85	93	3068.86	-30.79	30.79 S	8.19 W	31.86	194.90	0.72	0.30	82.88
	3162.71	0.52	322.96	93	3162.17	-30.09	30.09 S	8.88 W	31.38	196.44	0.22	-0.18	14.05
	3256.03	0.33	348.14	93	3255.49	-29.49	29.49 S	9.19 W	30.89	197.30	0.26	-0.20	26.98
	3349.34	0.24	352.99	93	3348.79	-29.04	29.04 S	9.27 W	30.48	197.70	0.09	-0.10	5.20
	3442.66	0.14	294.20	93	3442.11	-28.80	28.80 S	9.39 W	30.29	198.07	0.21	-0.11	-63.00
	3535.97	0.04	221.50	93	3535.42	-28.77	28.77 S	9.52 W	30.31	198.31	0.13	-0.11	-77.91
	3629.29	0.06	314.11	93	3628.74	-28.76	28.76 S	9.58 W	30.32	198.42	0.07	0.02	99.24
	3722.60	0.05	303.86	93	3722.05	-28.71	28.71 S	9.65 W	30.28	198.57	0.01	-0.01	-10.98
	3815.92	0.21	278.92	93	3815.37	-28.66	28.66 S	9.85 W	30.30	198.97	0.17	0.17	-26.73
	3909.23	0.55	236.09	93	3908.68	-28.88	28.88 S	10.39 W	30.69	199.78	0.42	0.36	-45.90
	4002.54	0.29	153.56	93	4001.99	-29.34	29.34 S	10.66 W	31.22	199.96	0.59	-0.28	-88.45
	4095.86	0.09	78.47	93	4095.31	-29.54	29.54 S	10.48 W	31.34	199.53	0.28	-0.21	-80.47
	4189.17	0.05	347.29	93	4188.62	-29.48	29.48 S	10.42 W	31.27	199.46	0.10	-0.04	288.09
	4282.49	0.06	345.95	93	4281.94	-29.40	29.40 S	10.44 W	31.20	199.55	0.01	0.01	-1.44
	4375.80	0.03	316.95	93	4375.25	-29.33	29.33 S	10.47 W	31.14	199.64	0.04	-0.03	-31.08
	4469.12	0.06	341.97	93	4468.57	-29.27	29.27 S	10.50 W	31.09	199.73	0.04	0.03	26.81
	4562.43	0.16	346.32	93	4561.88	-29.09	29.09 S	10.54 W	30.95	199.92	0.10	0.11	4.66
	4655.75	0.13	333.20	93	4655.20	-28.87	28.87 S	10.62 W	30.77	200.20	0.04	-0.03	-14.06
	4749.06	0.13	285.40	93	4748.51	-28.75	28.75 S	10.77 W	30.70	200.54	0.11	0.00	-51.23
	4842.38	0.09	267.97	93	4841.83	-28.73	28.73 S	10.95 W	30.74	200.86	0.05	-0.04	-18.68
	4935.69	0.11	267.09	93	4935.14	-28.73	28.73 S	11.11 W	30.81	201.14	0.02	0.02	-0.94
	5029.01	0.08	255.48	93	5028.46	-28.75	28.75 S	11.26 W	30.88	201.39	0.04	-0.03	-12.44
	5122.32	0.09	301.74	93	5121.77	-28.73	28.73 S	11.39 W	30.91	201.62	0.07	0.01	49.58
	5215.63	0.10	323.05	93	5215.08	-28.63	28.63 S	11.50 W	30.85	201.88	0.04	0.01	22.84
	5308.95	0.12	327.80	93	5308.40	-28.48	28.48 S	11.60 W	30.75	202.16	0.02	0.02	5.09

Company:

Matador Resources

Job Number:

1610081

Calculation Method:

Minimum Curvature

Well:

Jimmy Kone 05-24s-28e RB #228H

Grid Corr.:

-0.13

Proposed Azimuth:

RKB - MSL in feet:

28.5

Location:

Eddy Co., NM

Lat:

32.24

RKB - MSL in feet:

28.5

Tie Into:

Surface

Rig:

Patterson 809

Long:

-104.10

PHOENIX

TECHNOLOGY SERVICES

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	5402.26	0.20	268.58	93	5401.71	-28.40	28.40 S	11.81 W	30.76	202.59	0.17	0.09	-63.47
	5495.58	0.13	275.43	93	5495.03	-28.40	28.40 S	12.08 W	30.86	203.05	0.07	-0.08	7.34
	5588.89	0.04	286.09	93	5588.34	-28.38	28.38 S	12.22 W	30.90	203.30	0.09	-0.10	11.42
	5682.21	0.05	321.31	93	5681.66	-28.34	28.34 S	12.28 W	30.88	203.42	0.03	0.01	37.74
	5775.52	0.04	323.24	93	5774.97	-28.28	28.28 S	12.32 W	30.85	203.54	0.01	-0.01	2.07
	5868.84	0.08	327.33	93	5868.29	-28.20	28.20 S	12.38 W	30.79	203.70	0.04	0.04	4.38
	5962.15	0.04	307.10	93	5961.60	-28.12	28.12 S	12.44 W	30.75	203.86	0.04	-0.04	-21.68
	6055.47	0.17	223.22	93	6054.92	-28.20	28.20 S	12.56 W	30.87	204.00	0.17	0.14	-89.88
	6148.78	0.10	250.16	93	6148.23	-28.33	28.33 S	12.73 W	31.06	204.19	0.09	-0.08	28.87
	6242.10	0.10	204.55	93	6241.55	-28.43	28.43 S	12.84 W	31.20	204.30	0.08	0.00	-48.87
	6335.41	0.34	230.94	93	6334.85	-28.68	28.68 S	13.09 W	31.53	204.53	0.25	0.26	28.28
	6428.72	0.43	228.99	93	6428.16	-29.09	29.09 S	13.57 W	32.10	205.01	0.09	0.10	-2.09
	6522.04	0.20	108.21	93	6521.48	-29.37	29.37 S	13.68 W	32.40	204.97	0.56	-0.25	-129.43
	6615.35	1.55	121.16	93	6614.78	-30.07	30.07 S	12.44 W	32.54	202.48	1.36	1.45	13.88
	6708.67	2.87	133.43	93	6708.03	-32.33	32.33 S	9.67 W	33.74	196.64	1.39	1.41	13.15
	6801.98	2.09	128.72	93	6801.25	-35.00	35.00 S	6.64 W	35.63	190.74	0.81	-0.84	-5.05
	6895.30	1.03	108.04	93	6894.53	-36.32	36.32 S	4.52 W	36.60	187.09	1.18	-1.14	-22.16
	6988.61	0.98	103.37	93	6987.83	-36.77	36.77 S	2.94 W	36.89	184.58	0.10	-0.05	-5.00
	7081.93	0.80	101.48	93	7081.14	-37.08	37.08 S	1.53 W	37.11	182.36	0.18	-0.19	-2.03
	7175.24	0.51	68.50	93	7174.44	-37.06	37.06 S	0.50 W	37.06	180.78	0.46	-0.31	-35.34
	7268.56	0.74	44.66	93	7267.76	-36.48	36.48 S	0.31 E	36.48	179.52	0.34	0.25	-25.55
	7361.87	0.06	30.09	93	7361.06	-36.01	36.01 S	0.76 E	36.02	178.80	0.68	-0.73	-15.61
	7455.18	0.18	94.07	93	7454.37	-35.98	35.98 S	0.93 E	35.99	178.53	0.16	0.13	68.57
	7548.50	0.46	110.73	93	7547.69	-36.12	36.12 S	1.42 E	36.15	177.74	0.29	0.30	17.85
	7641.81	0.38	14.25	93	7641.00	-35.95	35.95 S	1.85 E	36.00	177.06	0.63	-0.09	-103.40
	7735.13	0.18	307.82	93	7734.32	-35.56	35.56 S	1.81 E	35.61	177.09	0.35	-0.21	314.58
	7828.44	0.11	313.27	93	7827.63	-35.41	35.41 S	1.63 E	35.45	177.37	0.07	-0.08	5.84
	7921.76	0.09	289.45	93	7920.95	-35.33	35.33 S	1.49 E	35.36	177.58	0.05	-0.02	-25.53
	8015.07	0.11	315.32	93	8014.26	-35.24	35.24 S	1.36 E	35.26	177.79	0.05	0.02	27.72
	8108.39	0.10	296.33	93	8107.58	-35.14	35.14 S	1.23 E	35.16	178.00	0.04	-0.01	-20.35



TECHNOLOGY SERVICES

Matador Resources

Jimmy Kone 05-24s-28e RB #228H

Eddy Co., NM

Patterson 809

1610081

-0.13

32.24

-104.10

Minimum Curvature

Proposed Azimuth:

RKB - MSL in feet:

Surface

[illegible]