

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-9730
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-42057	Pool Code 960	Pool Name Airstrip; Bone Spring
Property Code 313333	Property Name JIM ROLFE 22-18S-34E RN STATE	Well Number #131Y
GRID No. 228937	Operator Name MATADOR PRODUCTION COMPANY	Elevation 4019'

Surface Location

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	22	18-S	34-E	-	185'	SOUTH	348'	WEST	LEA

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	22	18-S	34-E	-	283'	NORTH	552'	WEST	LEA

Dedicated Acres 160.0	Joint or Infill	Consolidation Code	Order No. 280
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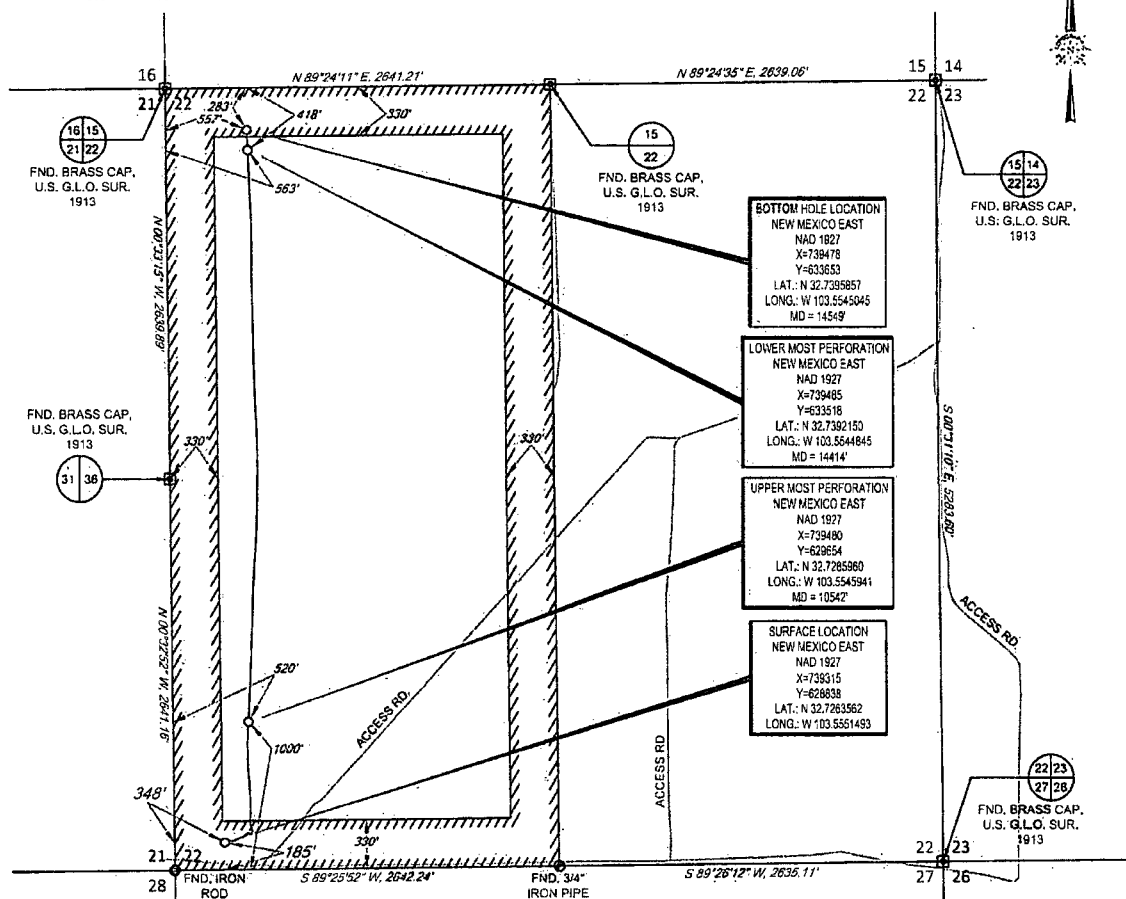
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 X=738478 Y=633653 LAT.: N 32.7395857 LONG.: W 103.5545045 MD = 14549'	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and correct to the best of my knowledge and belief, and that this information was given to the division in accordance with the provisions of the Oil Conservation Act, and that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief. Signature: <i>CSporich</i> Date: 10/28/14 Printed Name: Clayton Sporich E-mail Address: CSporich@matadorresources.com	
	LOWER MOST PERFORATION NEW MEXICO EAST NAD 1927 X=738485 Y=633518 LAT.: N 32.7392150 LONG.: W 103.5544845 MD = 14414'		18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief. Date of Survey: 08/19/2014 Signature and Seal of Professional Surveyor: <i>Michael B. Brown</i> Certificate Number: 18329
	UPPER MOST PERFORATION NEW MEXICO EAST NAD 1927 X=738480 Y=629654 LAT.: N 32.7285960 LONG.: W 103.5545941 MD = 10542'		
	SURFACE LOCATION NEW MEXICO EAST NAD 1927 X=739315 Y=628838 LAT.: N 32.7283582 LONG.: W 103.5551493		

S:\SURVEY\MATADOR_RESOURCES\JIM_ROLFE_STATE_22-18S-34E_RN_R_131\FINAL_PRODUCT\JIM_ROLFE_22-18S-34E_RN_STATE_131Y.DWG 10/28/2014 1:53:27 PM jslavos

DEC 09 2014

SECTION 22, TOWNSHIP 18 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: JIM ROLFE STATE 22-18S-34E RN R #131H
SECTION 22 TWP 18-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 4019'
DESCRIPTION 185' FSL & 348' FWL



Michael Blake Brown, P.S. No. 18329
OCTOBER 24, 2014



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 197 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7548
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 787-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

JIM ROLFE STATE #22H AS-COMPLETED	REVISION:	
	INT	DATE
DATE:	10/24/14	
FILE:	NO. JINROLFE STATE 22 163 3E RW R 1514	
DRAWN BY:	G.O.	
SHEET :	1 OF 1	

NOTES:

1. ORIGINAL DOCUMENT SIZE 8 5/8 X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE DATA BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U S SURVEY FEET, NORTH AMERICAN DATUM 1927.
3. THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND ACCORDING TO THE EVIDENCE FOUND AT THE TIME SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION CO. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

5 SURVEILLATION RESOURCESUM KOLFE STATE 27 185 346 HN N 131H HVAL PHOOCYSAD ALINCA STATE 27 185 346 HN N 131H DNU 10080014 10081008 00 ALL 00000



Gyrodata Incorporated
10504 WCR 72
Midland, TX 79707

Main: 432-561-8458
Fax: 432-563-7982

State of Texas
County of Midland

I, Holly Walker, certify that I am employed by Gyrodata Inc.; that I am authorized and qualified to review the Rate Gyroscopic Multishot survey from a depth of Surface feet to a depth of 9417 feet conducted on the day(s) of 09/10/2014 through 09/10/2014; that this survey was conducted at the request of Matador Resources for the JIM ROLFE RN STATE #131Y API No. 30-025-42057 in Lea County, New Mexico; that the data is true, correct, complete, and within the limitations of the tool as set forth by Gyrodata Inc; that I am authorized and qualified to make this report; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Gyrodata Inc.

A handwritten signature in cursive script, appearing to read "Holly Walker", is written over a horizontal greyed-out rectangular area.

Holly Walker
Senior Operations Assistant – West Texas Region

A Gyrodata Directional Survey

FINAL DEFINITIVE COPY

for

MATADOR PRODUCTION COMPANY

Lease: JIM ROLFE RN STATE Well: #131Y, 5" DRILLPIPE
Location: PATTERSON RIG #203, LEA COUNTY, NEW MEXICO

Job Number: MD0914GDM898

Run Date: 10 Sep 2014

Report Generated: 23 Sep 2014 08:22

Surveyor: Jason Solomon

Calculation Method: MINIMUM CURVATURE

Survey surface coordinates obtained from: Well Plan/Plot

Survey Latitude: 32.726356 deg. N Longitude: 103.555149 deg. W

Azimuth Correction:

Gyro: -0.42000 deg to Grid North

Depth Reference: Rotary Table

Air Gap (RKB to Ground / RKB to MSL): 26.00

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Local Horizontal Reference

A Gyrodata Directional Survey

MATADOR PRODUCTION COMPANY

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Job Number: MD0914GDM898

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. feet	AZIMUTH deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.00 N 0.00 E
0 TO 9417 FT. RATE GYROSCOPIC MULTISHOT DROP RUN INSIDE 5" DRILLPIPE							
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO PATTERSON RIG #203 RKB 26 FT.							
83.41	0.34	3.15	0.41	83.41	0.2	3.2	0.25 N 0.01 E
177.69	0.57	16.92	0.27	177.69	1.0	9.6	0.98 N 0.17 E
271.97	1.72	40.46	1.29	271.95	2.8	26.0	2.50 N 1.22 E
366.25	2.45	47.94	0.82	366.16	6.1	36.4	4.93 N 3.63 E
460.53	2.61	50.46	0.21	460.35	10.2	41.6	7.64 N 6.79 E
554.81	2.81	52.92	0.25	554.53	14.6	44.7	10.40 N 10.29 E
649.09	2.06	76.60	1.31	648.72	18.4	48.5	12.19 N 13.78 E
743.37	1.92	93.23	0.63	742.95	21.1	53.7	12.49 N 17.00 E
837.65	1.85	96.77	0.14	837.18	23.5	58.7	12.22 N 20.09 E
931.93	1.90	95.54	0.07	931.41	26.0	62.8	11.89 N 23.16 E
1026.21	1.94	89.94	0.20	1025.63	28.8	65.9	11.75 N 26.31 E
1120.49	1.95	83.18	0.24	1119.86	31.8	68.0	11.94 N 29.50 E
1214.77	1.83	87.11	0.19	1214.09	34.8	69.5	12.20 N 32.59 E
1309.05	1.95	95.40	0.32	1308.32	37.7	71.2	12.13 N 35.69 E
1403.33	1.94	96.11	0.03	1402.54	40.6	73.1	11.81 N 38.88 E
1497.61	1.83	94.04	0.14	1496.77	43.5	74.6	11.53 N 41.97 E
1591.89	1.52	95.62	0.33	1591.01	46.1	75.8	11.30 N 44.71 E

A Gyrodata Directional Survey

MATADOR PRODUCTION COMPANY

Lease: JIM ROLFE RN STATE Well: #131Y, 5" DRILLPIPE

Location: PATTERSON RIG #203, LEA COUNTY, NEW MEXICO

Job Number: MD0914GDM898

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
1686.17	1.24	95.35	0.30	1685.26	48.3 76.7	11.09 N 46.97 E
1780.45	1.11	93.19	0.15	1779.52	50.1 77.4	10.94 N 48.90 E
1874.73	0.96	114.94	0.44	1873.79	51.6 78.2	10.56 N 50.53 E
1969.01	0.77	125.11	0.26	1968.06	52.7 79.2	9.86 N 51.76 E
2063.29	0.42	88.53	0.53	2062.33	53.5 79.8	9.50 N 52.63 E
2157.57	0.44	86.20	0.03	2156.61	54.2 79.9	9.54 N 53.33 E
2251.85	0.47	104.31	0.16	2250.89	54.9 80.1	9.46 N 54.07 E
2346.13	0.43	102.87	0.04	2345.16	55.6 80.4	9.29 N 54.79 E
2440.41	0.40	97.79	0.05	2439.44	56.2 80.6	9.17 N 55.46 E
2534.69	0.40	89.92	0.06	2533.72	56.9 80.8	9.12 N 56.11 E
2628.97	0.44	73.64	0.13	2628.00	57.5 80.8	9.23 N 56.79 E
2723.25	0.42	57.65	0.13	2722.27	58.2 80.6	9.51 N 57.43 E
2817.53	0.28	34.30	0.21	2816.55	58.7 80.3	9.89 N 57.85 E
2911.81	0.28	38.70	0.02	2910.83	59.0 80.0	10.26 N 58.13 E
3006.09	0.32	32.42	0.05	3005.11	59.4 79.7	10.66 N 58.41 E
3100.37	0.38	33.87	0.06	3099.39	59.8 79.3	11.14 N 58.73 E
3194.65	0.36	34.89	0.02	3193.67	60.2 78.8	11.64 N 59.07 E
3288.93	0.37	39.27	0.03	3287.94	60.7 78.5	12.12 N 59.43 E
3383.21	0.23	94.68	0.32	3382.22	61.1 78.3	12.34 N 59.81 E
3477.49	0.32	87.82	0.10	3476.50	61.5 78.4	12.34 N 60.26 E
3571.77	0.34	71.01	0.10	3570.78	62.1 78.4	12.44 N 60.79 E
3666.05	0.34	48.53	0.14	3665.06	62.6 78.3	12.71 N 61.27 E

A Gyrodata Directional Survey

MATADOR PRODUCTION COMPANY

Lease: JIM ROLFE RN STATE Well: #131Y, 5" DRILLPIPE

Location: PATTERSON RIG #203, LEA COUNTY, NEW MEXICO

Job Number: MD0914GDM898

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. feet	AZIMUTH deg.	HORIZONTAL COORDINATES feet
3760.33	0.33	53.03	0.03	3759.34	63.1	78.0	13.06 N 61.69 E
3854.61	0.36	60.45	0.06	3853.62	63.6	77.9	13.37 N 62.17 E
3948.89	0.29	20.48	0.25	3947.89	64.0	77.6	13.74 N 62.51 E
4043.17	0.26	20.02	0.03	4042.17	64.2	77.3	14.17 N 62.67 E
4137.45	0.30	33.06	0.08	4136.45	64.5	76.9	14.57 N 62.87 E
4231.73	0.29	22.29	0.06	4230.73	64.9	76.6	15.00 N 63.10 E
4326.01	0.25	27.34	0.05	4325.01	65.1	76.3	15.41 N 63.28 E
4420.29	0.24	32.51	0.03	4419.29	65.4	76.1	15.75 N 63.48 E
4514.57	0.23	59.00	0.11	4513.57	65.7	75.9	16.02 N 63.75 E
4608.85	0.22	95.45	0.15	4607.85	66.1	75.9	16.10 N 64.09 E
4703.13	0.21	78.00	0.07	4702.13	66.4	76.0	16.12 N 64.44 E
4797.41	0.10	92.52	0.12	4796.41	66.7	76.0	16.15 N 64.70 E
4891.69	0.35	38.76	0.32	4890.69	67.0	75.9	16.37 N 64.96 E
4985.97	0.41	42.94	0.07	4984.96	67.5	75.6	16.84 N 65.37 E
5080.25	0.18	43.43	0.24	5079.24	67.9	75.3	17.20 N 65.70 E
5174.53	1.02	80.11	0.94	5173.52	68.9	75.3	17.45 N 66.63 E
5268.81	2.96	70.82	2.08	5267.73	72.1	75.2	18.39 N 69.75 E
5363.09	3.74	73.99	0.85	5361.85	77.6	75.0	20.04 N 75.01 E
5457.37	4.35	65.60	0.90	5455.90	84.2	74.6	22.37 N 81.22 E
5551.65	5.38	67.37	1.10	5549.84	92.2	73.9	25.54 N 88.56 E
5645.93	5.78	70.74	0.55	5643.67	101.3	73.5	28.81 N 97.12 E

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Location: PATTERSON RIG #203, LEA COUNTY, NEW MEXICO

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MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. feet	AZIMUTH deg.	HORIZONTAL COORDINATES feet
5740.21	5.86	70.75	0.08	5737.46	110.9	73.2	31.96 N 106.14 E
5834.49	6.11	68.06	0.40	5831.23	120.7	72.9	35.42 N 115.34 E
5928.77	5.82	63.18	0.62	5925.00	130.4	72.4	39.46 N 124.26 E
6023.05	5.30	61.63	0.57	6018.84	139.4	71.7	43.68 N 132.36 E
6117.33	4.78	49.53	1.25	6112.76	147.3	70.9	48.30 N 139.18 E
6211.61	3.88	39.51	1.24	6206.77	153.7	69.7	53.31 N 144.20 E
6305.89	3.52	41.15	0.40	6300.85	159.1	68.6	57.95 N 148.13 E
6400.17	3.08	47.38	0.60	6394.97	164.0	67.8	61.85 N 151.90 E
6494.45	2.72	50.73	0.42	6489.13	168.5	67.3	64.98 N 155.49 E
6588.73	1.89	76.30	1.38	6583.34	172.2	67.2	66.76 N 158.74 E
6683.01	1.43	117.57	1.32	6677.58	174.5	67.6	66.58 N 161.29 E
6777.29	1.40	155.78	0.98	6771.83	175.3	68.2	64.99 N 162.81 E
6871.57	1.09	139.03	0.50	6866.09	175.7	68.9	63.26 N 163.87 E
6965.85	1.03	110.06	0.57	6960.36	176.6	69.3	62.29 N 165.25 E
7060.13	1.06	103.40	0.13	7054.62	178.0	69.7	61.80 N 166.89 E
7154.41	1.25	90.49	0.34	7148.88	179.7	70.0	61.59 N 168.77 E
7248.69	1.46	89.69	0.22	7243.14	181.8	70.2	61.59 N 171.00 E
7342.97	1.21	95.97	0.31	7337.39	183.8	70.5	61.49 N 173.19 E
7437.25	0.64	147.13	1.01	7431.66	184.8	70.7	60.95 N 174.47 E
7531.53	0.41	48.10	0.86	7525.94	185.2	70.9	60.73 N 175.00 E
7625.81	1.31	22.75	1.01	7620.21	186.3	70.6	61.95 N 175.67 E
7720.09	1.41	38.37	0.41	7714.46	188.0	70.1	63.85 N 176.81 E

A Gyrodata Directional Survey

MATADOR PRODUCTION COMPANY

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Location: PATTERSON RIG #203, LEA COUNTY, NEW MEXICO

Job Number: MD0914GDM898

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
7814.37	1.29	122.75	1.93	7808.72	189.6 70.2	64.19 N 178.42 E
7908.65	1.27	154.93	0.75	7902.98	190.4 70.8	62.67 N 179.76 E
8002.93	0.52	156.71	0.80	7997.25	190.5 71.2	61.33 N 180.37 E
8097.21	0.32	340.41	0.89	8091.53	190.5 71.3	61.18 N 180.45 E
8191.49	0.76	350.88	0.48	8185.80	190.6 71.0	62.05 N 180.26 E
8285.77	0.81	41.86	0.72	8280.07	191.3 70.7	63.16 N 180.61 E
8380.05	1.12	38.13	0.34	8374.34	192.7 70.5	64.38 N 181.62 E
8474.33	2.30	34.63	1.26	8468.58	195.0 70.0	66.66 N 183.27 E
8568.61	3.38	34.22	1.15	8562.74	198.8 69.2	70.52 N 185.90 E
8662.89	3.95	31.47	0.63	8656.83	203.7 68.2	75.59 N 189.16 E
8757.17	3.17	19.09	1.16	8750.92	208.0 67.1	80.82 N 191.71 E
8851.45	2.18	337.43	2.24	8845.11	209.8 66.1	84.94 N 191.87 E
8945.73	2.47	322.26	0.72	8939.31	209.4 65.1	88.20 N 189.94 E
9040.01	2.11	319.24	0.40	9033.52	208.5 64.1	91.12 N 187.57 E
9134.29	1.57	330.40	0.68	9127.75	208.0 63.3	93.56 N 185.79 E
9228.57	0.64	300.42	1.13	9222.01	207.7 62.8	94.95 N 184.70 E
9322.85	0.05	287.52	0.63	9316.29	207.4 62.7	95.23 N 184.21 E
9417.13	1.37	48.02	1.48	9410.56	208.4 62.6	96.00 N 185.01 E

Final Station Closure: Distance: 208.43 ft Az: 62.58 deg.



Gyrodata Incorporated
10504 WCR 72
Midland, TX 79707

Main: 432-561-8458
Fax: 432-563-7982

State of Texas
County of Midland

I, Holly Walker, certify that I am employed by Gyrodata Inc.; that I am authorized and qualified to review the Rate Gyroscopic Multishot survey from a depth of Surface feet to a depth of 9417 feet conducted on the day(s) of 09/10/2014 through 09/10/2014; that this survey was conducted at the request of Matador Resources for the JIM ROLFE RN STATE #131Y API No 30-025-42057 in Lea County, New Mexico; that the data is true, correct, complete, and within the limitations of the tool as set forth by Gyrodata Inc; that I am authorized and qualified to make this report; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Gyrodata Inc.

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Holly Walker
Senior Operations Assistant – West Texas Region

A Gyrodata Directional Survey

FINAL DEFINITIVE COPY

for

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0.00	0.00	0.00	0.00	0.00	0.0 0.0	0.00 N 0.00 E
0 TO 9417 FT. RATE GYROSCOPIC MULTISHOT DROP RUN INSIDE 5" DRILLPIPE						
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO PATTERSON RIG #203 RKB 26 FT.						
83.41	0.34	3.15	0.41	83.41	0.2 3.2	0.25 N 0.01 E
177.69	0.57	16.92	0.27	177.69	1.0 9.6	0.98 N 0.17 E
271.97	1.72	40.46	1.29	271.95	2.8 26.0	2.50 N 1.22 E
366.25	2.45	47.94	0.82	366.16	6.1 36.4	4.93 N 3.63 E
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554.81	2.81	52.92	0.25	554.53	14.6 44.7	10.40 N 10.29 E
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837.65	1.85	96.77	0.14	837.18	23.5 58.7	12.22 N 20.09 E
931.93	1.90	95.54	0.07	931.41	26.0 62.8	11.89 N 23.16 E
1026.21	1.94	89.94	0.20	1025.63	28.8 65.9	11.75 N 26.31 E
1120.49	1.95	83.18	0.24	1119.86	31.8 68.0	11.94 N 29.50 E
1214.77	1.83	87.11	0.19	1214.09	34.8 69.5	12.20 N 32.59 E
1309.05	1.95	95.40	0.32	1308.32	37.7 71.2	12.13 N 35.69 E
1403.33	1.94	96.11	0.03	1402.54	40.6 73.1	11.81 N 38.88 E
1497.61	1.83	94.04	0.14	1496.77	43.5 74.6	11.53 N 41.97 E
1591.89	1.52	95.62	0.33	1591.01	46.1 75.8	11.30 N 44.71 E

A Gyrodata Directional Survey

MATADOR PRODUCTION COMPANY

Lease: JIM ROLFE RN STATE Well: #131Y, 5" DRILLPIPE

Location: PATTERSON RIG #203, LEA COUNTY, NEW MEXICO

Job Number: MD0914GDM898

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
1686.17	1.24	95.35	0.30	1685.26	48.3 76.7	11.09 N 46.97 E
1780.45	1.11	93.19	0.15	1779.52	50.1 77.4	10.94 N 48.90 E
1874.73	0.96	114.94	0.44	1873.79	51.6 78.2	10.56 N 50.53 E
1969.01	0.77	125.11	0.26	1968.06	52.7 79.2	9.86 N 51.76 E
2063.29	0.42	88.53	0.53	2062.33	53.5 79.8	9.50 N 52.63 E
2157.57	0.44	86.20	0.03	2156.61	54.2 79.9	9.54 N 53.33 E
2251.85	0.47	104.31	0.16	2250.89	54.9 80.1	9.46 N 54.07 E
2346.13	0.43	102.87	0.04	2345.16	55.6 80.4	9.29 N 54.79 E
2440.41	0.40	97.79	0.05	2439.44	56.2 80.6	9.17 N 55.46 E
2534.69	0.40	89.92	0.06	2533.72	56.9 80.8	9.12 N 56.11 E
2628.97	0.44	73.64	0.13	2628.00	57.5 80.8	9.23 N 56.79 E
2723.25	0.42	57.65	0.13	2722.27	58.2 80.6	9.51 N 57.43 E
2817.53	0.28	34.30	0.21	2816.55	58.7 80.3	9.89 N 57.85 E
2911.81	0.28	38.70	0.02	2910.83	59.0 80.0	10.26 N 58.13 E
3006.09	0.32	32.42	0.05	3005.11	59.4 79.7	10.66 N 58.41 E
3100.37	0.38	33.87	0.06	3099.39	59.8 79.3	11.14 N 58.73 E
3194.65	0.36	34.89	0.02	3193.67	60.2 78.8	11.64 N 59.07 E
3288.93	0.37	39.27	0.03	3287.94	60.7 78.5	12.12 N 59.43 E
3383.21	0.23	94.68	0.32	3382.22	61.1 78.3	12.34 N 59.81 E
3477.49	0.32	87.82	0.10	3476.50	61.5 78.4	12.34 N 60.26 E
3571.77	0.34	71.01	0.10	3570.78	62.1 78.4	12.44 N 60.79 E
3666.05	0.34	48.53	0.14	3665.06	62.6 78.3	12.71 N 61.27 E

A Gyrodata Directional Survey

MATADOR PRODUCTION COMPANY

Lease: JIM ROLFE RN STATE Well: #131Y, 5" DRILLPIPE

Location: PATTERSON RIG #203, LEA COUNTY, NEW MEXICO

Job Number: MD0914GDM898

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. feet	AZIMUTH deg.	HORIZONTAL COORDINATES feet
3760.33	0.33	53.03	0.03	3759.34	63.1	78.0	13.06 N 61.69 E
3854.61	0.36	60.45	0.06	3853.62	63.6	77.9	13.37 N 62.17 E
3948.89	0.29	20.48	0.25	3947.89	64.0	77.6	13.74 N 62.51 E
4043.17	0.26	20.02	0.03	4042.17	64.2	77.3	14.17 N 62.67 E
4137.45	0.30	33.06	0.08	4136.45	64.5	76.9	14.57 N 62.87 E
4231.73	0.29	22.29	0.06	4230.73	64.9	76.6	15.00 N 63.10 E
4326.01	0.25	27.34	0.05	4325.01	65.1	76.3	15.41 N 63.28 E
4420.29	0.24	32.51	0.03	4419.29	65.4	76.1	15.75 N 63.48 E
4514.57	0.23	59.00	0.11	4513.57	65.7	75.9	16.02 N 63.75 E
4608.85	0.22	95.45	0.15	4607.85	66.1	75.9	16.10 N 64.09 E
4703.13	0.21	78.00	0.07	4702.13	66.4	76.0	16.12 N 64.44 E
4797.41	0.10	92.52	0.12	4796.41	66.7	76.0	16.15 N 64.70 E
4891.69	0.35	38.76	0.32	4890.69	67.0	75.9	16.37 N 64.96 E
4985.97	0.41	42.94	0.07	4984.96	67.5	75.6	16.84 N 65.37 E
5080.25	0.18	43.43	0.24	5079.24	67.9	75.3	17.20 N 65.70 E
5174.53	1.02	80.11	0.94	5173.52	68.9	75.3	17.45 N 66.63 E
5268.81	2.96	70.82	2.08	5267.73	72.1	75.2	18.39 N 69.75 E
5363.09	3.74	73.99	0.85	5361.85	77.6	75.0	20.04 N 75.01 E
5457.37	4.35	65.60	0.90	5455.90	84.2	74.6	22.37 N 81.22 E
5551.65	5.38	67.37	1.10	5549.84	92.2	73.9	25.54 N 88.56 E
5645.93	5.78	70.74	0.55	5643.67	101.3	73.5	28.81 N 97.12 E

A Gyrodata Directional Survey

MATADOR PRODUCTION COMPANY

Lease: JIM ROLFE RN STATE Well: #131Y, 5" DRILLPIPE

Location: PATTERSON RIG #203, LEA COUNTY, NEW MEXICO

Job Number: MD0914GDM898

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
5740.21	5.86	70.75	0.08	5737.46	110.9 73.2	31.96 N 106.14 E
5834.49	6.11	68.06	0.40	5831.23	120.7 72.9	35.42 N 115.34 E
5928.77	5.82	63.18	0.62	5925.00	130.4 72.4	39.46 N 124.26 E
6023.05	5.30	61.63	0.57	6018.84	139.4 71.7	43.68 N 132.36 E
6117.33	4.78	49.53	1.25	6112.76	147.3 70.9	48.30 N 139.18 E
6211.61	3.88	39.51	1.24	6206.77	153.7 69.7	53.31 N 144.20 E
6305.89	3.52	41.15	0.40	6300.85	159.1 68.6	57.95 N 148.13 E
6400.17	3.08	47.38	0.60	6394.97	164.0 67.8	61.85 N 151.90 E
6494.45	2.72	50.73	0.42	6489.13	168.5 67.3	64.98 N 155.49 E
6588.73	1.89	76.30	1.38	6583.34	172.2 67.2	66.76 N 158.74 E
6683.01	1.43	117.57	1.32	6677.58	174.5 67.6	66.58 N 161.29 E
6777.29	1.40	155.78	0.98	6771.83	175.3 68.2	64.99 N 162.81 E
6871.57	1.09	139.03	0.50	6866.09	175.7 68.9	63.26 N 163.87 E
6965.85	1.03	110.06	0.57	6960.36	176.6 69.3	62.29 N 165.25 E
7060.13	1.06	103.40	0.13	7054.62	178.0 69.7	61.80 N 166.89 E
7154.41	1.25	90.49	0.34	7148.88	179.7 70.0	61.59 N 168.77 E
7248.69	1.46	89.69	0.22	7243.14	181.8 70.2	61.59 N 171.00 E
7342.97	1.21	95.97	0.31	7337.39	183.8 70.5	61.49 N 173.19 E
7437.25	0.64	147.13	1.01	7431.66	184.8 70.7	60.95 N 174.47 E
7531.53	0.41	48.10	0.86	7525.94	185.2 70.9	60.73 N 175.00 E
7625.81	1.31	22.75	1.01	7620.21	186.3 70.6	61.95 N 175.67 E
7720.09	1.41	38.37	0.41	7714.46	188.0 70.1	63.85 N 176.81 E

A Gyrodata Directional Survey

MATADOR PRODUCTION COMPANY

Lease: JIM ROLFE RN STATE Well: #131Y, 5" DRILLPIPE

Location: PATTERSON RIG #203, LEA COUNTY, NEW MEXICO

Job Number: MD0914GDM898

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. feet	AZIMUTH deg.	HORIZONTAL COORDINATES feet
7814.37	1.29	122.75	1.93	7808.72	189.6	70.2	64.19 N 178.42 E
7908.65	1.27	154.93	0.75	7902.98	190.4	70.8	62.67 N 179.76 E
8002.93	0.52	156.71	0.80	7997.25	190.5	71.2	61.33 N 180.37 E
8097.21	0.32	340.41	0.89	8091.53	190.5	71.3	61.18 N 180.45 E
8191.49	0.76	350.88	0.48	8185.80	190.6	71.0	62.05 N 180.26 E
8285.77	0.81	41.86	0.72	8280.07	191.3	70.7	63.16 N 180.61 E
8380.05	1.12	38.13	0.34	8374.34	192.7	70.5	64.38 N 181.62 E
8474.33	2.30	34.63	1.26	8468.58	195.0	70.0	66.66 N 183.27 E
8568.61	3.38	34.22	1.15	8562.74	198.8	69.2	70.52 N 185.90 E
8662.89	3.95	31.47	0.63	8656.83	203.7	68.2	75.59 N 189.16 E
8757.17	3.17	19.09	1.16	8750.92	208.0	67.1	80.82 N 191.71 E
8851.45	2.18	337.43	2.24	8845.11	209.8	66.1	84.94 N 191.87 E
8945.73	2.47	322.26	0.72	8939.31	209.4	65.1	88.20 N 189.94 E
9040.01	2.11	319.24	0.40	9033.52	208.5	64.1	91.12 N 187.57 E
9134.29	1.57	330.40	0.68	9127.75	208.0	63.3	93.56 N 185.79 E
9228.57	0.64	300.42	1.13	9222.01	207.7	62.8	94.95 N 184.70 E
9322.85	0.05	287.52	0.63	9316.29	207.4	62.7	95.23 N 184.21 E
9417.13	1.37	48.02	1.48	9410.56	208.4	62.6	96.00 N 185.01 E

Final Station Closure: Distance: 208.43 ft Az: 62.58 deg.



PHOENIX
TECHNOLOGY SERVICES

November 6, 2014

Matador Production Company
Attention: Regulatory Department
One Lincoln Centre
5400 LBJ Freeway, Suite 1500
Dallas, Texas 75240

Re: Matador Resources
Jim Rolfe 22-18S-34E RN State #131Y
Lea Co., New Mexico
API #30-025-42057
Job No. 1411570

Dear Regulatory Department;

Phoenix Technology Services, Inc. has filed the Survey Data Certification, Surveys, and Lease Plat for the above referenced Well with the Texas Railroad Commission via certification online. A copy of the filing is attached for your records.

Name of Surveyor	Drainhole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Ronnie Watson	131Y	9,451	14,492	09/08/14	09/17/14	MWD

Thank you for the opportunity to be of service. Please contact me if you have any questions or require additional information.

Best Regards,

Dana Robinson

Dana Robinson
Operations Administrator

Phoenix Technology Services SURVEY DATA CERTIFICATION



PHOENIX JOB NUMBER 1411570

OPERATOR Matador Resources

WELL NAME Jim Rolfe 22-18S-34E RN State #131Y

COUNTY & STATE

Lea Co., New Mexico

API WELL NUMBER 30-025-42057

PROPOSED DIRECTION 1.61

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
9,417.13 ft	9,410.56 ft	1.37	48.02	96.00 ft	185.01 ft	Gyrodata

FIRST SURVEY DATE	FIRST SURVEY DEPTH	INCLIN	AZIMUTH
8-Sep-14	9,451.00 ft	3.90	356.30

SURVEY INSTRUMENT TYPE
Phoenix MWD

LAST SURVEY DATE	LAST SURVEY DEPTH	INCLIN	AZIMUTH
17-Sep-14	14,492.00 ft	94.50	357.00

TO THE BEST OF MY KNOWLEDGE I
CERTIFY THIS SURVEY DATA TO BE
TRUE AND CORRECT.

PROJECTED TD SURVEY DATE	PROJECTED TD SURVEY DEPTH	INCLIN	AZIMUTH
17-Sep-14	14,550.00 ft	94.50	357.00

Ronnie Watson

PRINT YOUR NAME ABOVE

Ronnie Watson

SIGN YOUR NAME ABOVE

17-Sep-14

TODAY'S DATE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	6.92
DECLINATION OR GRID	GRID

MWD SUPERVISOR 1

Ronnie Watson

DIRECTIONAL DRILLER 1

Van Johnson

MWD SUPERVISOR 2

Payton McKinley

DIRECTIONAL DRILLER 2

John Hoover

12329 Cutten Rd., Houston, Texas 777066 (713)337-0600 (Voice), (713)337-0599 (Fax)

Matador Resources

Lea County, NM (NAD 27)

Jim Rolfe State 22-18S-34E RN

#131Y

Wellbore #1 Job #1411570

Survey: Phoenix MWD Surveys

Standard Survey Report

18 September, 2014

Survey Report

Company: Matador Resources
Project: Lea County, NM (NAD 27)
Site: Jim Rolfe State, 22-18S-34E RN
Well: #131Y
Wellbore: Wellbore #1 Job #1411570
Design: Surveys (Patterson 203)

Local Co-ordinate Reference: Well #131Y
TVD Reference: KB: 25' @ 4044.00usft (Patterson 203)
MD Reference: KB: 25' @ 4044.00usft (Patterson 203)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: GCR DB v5000

Project	Lea County, NM (NAD 27)	
Map System:	US State Plane 1927 (Exact solution)	System Datum: Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)	
Map Zone:	New Mexico East 3001	

Site Jim Rolfe State 22-18S-34E RN

Site Position: **Northing:** 628,837.98 usft **Latitude:** 32° 43' 34.88226 N
From: Map **Easting:** 739,315.00 usft **Longitude:** 103° 33' 18.53741 W
Position Uncertainty: 0.00 usft **Slot Radius:** 13-3/16" **Grid Convergence:** 0.42°

Well #131Y
Well Position **+N/-S** 0.00 usft **Northing:** 628,837.98 usft **Latitude:** 32° 43' 34.88226 N
+E/-W 0.00 usft **Easting:** 739,315.00 usft **Longitude:** 103° 33' 18.53741 W
Position Uncertainty 0.00 usft **Wellhead Elevation:** 0.00 usft **Ground Level:** 4,019.00 usft

Wellbore Wellbore #1 Job #1411570

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2013	08/20/14	7.34	60.56	48,572

Design Surveys (Patterson 203)

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	1.61

Survey Program Date 09/17/14

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
83.41	9,417.13	Gyrodata Gyro Surveys (Wellbore #1 Job	NS-GYRO-SS	NS Gyro single shots
9,451.00	14,550.00	Phoenix MWD Surveys (Wellbore #1 Job #	PHX+MWD+BGGM	PHX+MWD+BGGM v3:standard declination

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,417.13	1.37	48.02	9,410.56	96.00	185.01	101.16	0.00	0.00	0.00
Tie In to Gyrodata Gyro Surveys									
9,451.00	3.90	356.30	9,444.39	97.42	185.23	102.58	9.55	7.47	-152.70
9,545.00	14.20	343.70	9,537.11	111.71	181.78	116.78	11.09	10.96	-13.40
9,572.00	16.60	343.80	9,563.13	118.60	179.78	123.60	8.89	8.89	0.37
9,604.00	18.80	349.20	9,593.62	128.05	177.54	132.99	8.57	6.88	16.88
9,635.00	20.90	358.20	9,622.78	138.49	176.43	143.39	11.94	6.77	29.03
9,667.00	23.60	0.80	9,652.40	150.60	176.34	155.50	8.98	8.44	8.13
9,698.00	26.90	1.30	9,680.43	163.82	176.58	168.72	10.67	10.65	1.61
9,730.00	30.10	1.60	9,708.55	179.08	176.97	183.98	10.01	10.00	0.94

Survey Report

Company: Matador Resources
Project: Lea County, NM (NAD 27)
Site: Jim Rolfe State 22-18S-34E RN
Well: #131Y
Wellbore: Wellbore #1 Job #1411570
Design: Surveys (Patterson 203)

Local Co-ordinate Reference: Well #131Y
TVD Reference: KB: 25' @ 4044.00usft (Patterson 203)
MD Reference: KB: 25' @ 4044.00usft (Patterson 203)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: GCR DB v5000

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,761.00	32.60	1.80	9,735.02	195.20	177.45	200.11	8.07	8.06	0.65
9,792.00	34.70	1.20	9,760.83	212.37	177.90	217.29	6.86	6.77	-1.94
9,823.00	37.00	0.00	9,785.95	230.53	178.08	235.44	7.76	7.42	-3.87
9,855.00	39.70	358.90	9,811.05	250.38	177.88	255.28	8.70	8.44	-3.44
9,886.00	41.60	358.80	9,834.57	270.57	177.48	275.45	6.13	6.13	-0.32
9,918.00	44.10	358.60	9,858.02	292.32	176.98	297.18	7.82	7.81	-0.63
9,949.00	45.80	357.70	9,879.96	314.21	176.28	319.04	5.85	5.48	-2.90
9,980.00	46.90	356.60	9,901.36	336.61	175.16	341.40	4.38	3.55	-3.55
10,012.00	48.20	355.80	9,922.96	360.17	173.59	364.91	4.46	4.06	-2.50
10,043.00	49.30	355.20	9,943.40	383.41	171.76	388.08	3.84	3.55	-1.94
10,075.00	50.60	354.50	9,963.99	407.80	169.56	412.40	4.39	4.06	-2.19
10,104.00	51.60	354.00	9,982.20	430.26	167.30	434.79	3.70	3.45	-1.72
10,136.00	52.50	355.10	10,001.88	455.37	164.90	459.83	3.91	2.81	3.44
10,167.00	53.50	356.50	10,020.53	480.06	163.09	484.46	4.84	3.23	4.52
10,199.00	54.40	357.30	10,039.37	505.90	161.70	510.24	3.46	2.81	2.50
10,230.00	56.00	357.90	10,057.06	531.33	160.63	535.63	5.40	5.16	1.94
10,262.00	59.30	358.90	10,074.18	558.35	159.88	562.62	10.64	10.31	3.13
10,293.00	61.40	359.20	10,089.51	585.29	159.43	589.53	6.83	6.77	0.97
10,324.00	61.70	359.20	10,104.28	612.54	159.05	616.77	0.97	0.97	0.00
10,356.00	62.80	359.20	10,119.18	640.85	158.66	645.06	3.44	3.44	0.00
10,388.00	64.30	359.40	10,133.43	669.50	158.31	673.69	4.72	4.69	0.63
10,419.00	67.90	0.20	10,145.99	697.84	158.21	702.01	11.85	11.61	2.58
10,451.00	70.50	2.30	10,157.36	727.74	158.87	731.92	10.18	8.13	6.56
10,482.00	74.10	3.80	10,166.78	757.23	160.45	761.44	12.49	11.61	4.84
10,513.00	77.20	4.90	10,174.46	787.17	162.72	791.43	10.57	10.00	3.55
10,607.00	88.60	3.10	10,186.06	880.06	169.20	884.47	12.28	12.13	-1.91
10,702.00	91.10	2.10	10,186.31	974.96	173.51	979.45	2.83	2.63	-1.05
10,796.00	90.60	2.60	10,184.92	1,068.87	177.37	1,073.43	0.75	-0.53	0.53
10,891.00	91.20	2.60	10,183.42	1,163.76	181.67	1,168.40	0.63	0.63	0.00
10,986.00	92.80	3.00	10,180.11	1,258.58	186.31	1,263.32	1.74	1.68	0.42
11,081.00	91.90	1.70	10,176.21	1,353.42	190.20	1,358.23	1.66	-0.95	-1.37
11,177.00	90.60	1.40	10,174.12	1,449.36	192.80	1,454.20	1.39	-1.35	-0.31
11,272.00	90.30	1.90	10,173.37	1,544.32	195.53	1,549.20	0.61	-0.32	0.53
11,367.00	90.50	1.90	10,172.71	1,639.26	198.68	1,644.20	0.21	0.21	0.00
11,463.00	93.40	3.10	10,169.44	1,735.10	202.87	1,740.12	3.27	3.02	1.25
11,557.00	92.00	3.10	10,165.02	1,828.86	207.95	1,833.98	1.49	-1.49	0.00
11,652.00	92.20	3.50	10,161.53	1,923.64	213.41	1,928.87	0.47	0.21	0.42
11,748.00	93.10	4.10	10,157.10	2,019.32	219.77	2,024.70	1.13	0.94	0.63
11,843.00	91.90	1.90	10,152.95	2,114.10	224.73	2,119.57	2.64	-1.26	-2.32
11,937.00	91.40	1.20	10,150.25	2,208.02	227.27	2,213.53	0.91	-0.53	-0.74
12,031.00	91.60	1.40	10,147.78	2,301.96	229.41	2,307.50	0.30	0.21	0.21
12,126.00	92.20	1.50	10,144.63	2,396.88	231.81	2,402.45	0.64	0.63	0.11
12,220.00	94.40	0.20	10,139.22	2,490.71	233.20	2,496.28	2.72	2.34	-1.38

Survey Report

Company: Matador Resources
Project: Lea County, NM (NAD 27)
Site: Jim Rolfe State 22-18S-34E RN
Well: #131Y
Wellbore: Wellbore #1 Job #1411570
Design: Surveys (Patterson 203)

Local Co-ordinate Reference: Well #131Y
TVD Reference: KB: 25' @ 4044.00usft (Patterson 203)
MD Reference: KB: 25' @ 4044.00usft (Patterson 203)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: GCR DB v5000

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,316.00	93.80	359.10	10,132.36	2,586.46	232.62	2,591.97	1.30	-0.63	-1.15
12,410.00	94.10	359.00	10,125.88	2,680.22	231.06	2,685.66	0.34	0.32	-0.11
12,505.00	95.00	357.30	10,118.35	2,774.87	228.00	2,780.18	2.02	0.95	-1.79
12,599.00	91.80	356.90	10,112.77	2,868.57	223.26	2,873.71	3.43	-3.40	-0.43
12,694.00	92.30	357.50	10,109.38	2,963.40	218.62	2,968.37	0.82	0.53	0.63
12,789.00	92.90	357.70	10,105.07	3,058.21	214.65	3,063.04	0.67	0.63	0.21
12,882.00	92.60	358.00	10,100.60	3,151.04	211.16	3,155.73	0.46	-0.32	0.32
12,978.00	93.50	358.70	10,095.50	3,246.86	208.40	3,251.44	1.19	0.94	0.73
13,073.00	95.40	359.30	10,088.13	3,341.56	206.75	3,346.05	2.10	2.00	0.63
13,167.00	96.10	357.90	10,078.71	3,435.05	204.46	3,439.44	1.66	0.74	-1.49
13,262.00	94.80	358.70	10,069.68	3,529.58	201.66	3,533.85	1.60	-1.37	0.84
13,356.00	94.60	358.70	10,061.98	3,623.24	199.53	3,627.42	0.21	-0.21	0.00
13,450.00	93.10	358.90	10,055.67	3,717.01	197.57	3,721.09	1.61	-1.60	0.21
13,544.00	92.50	0.00	10,051.08	3,810.89	196.67	3,814.91	1.33	-0.64	1.17
13,638.00	91.70	0.30	10,047.63	3,904.82	196.91	3,908.81	0.91	-0.85	0.32
13,733.00	89.80	359.40	10,046.39	3,999.81	196.66	4,003.76	2.21	-2.00	-0.95
13,828.00	90.70	359.00	10,045.98	4,094.80	195.34	4,098.67	1.04	0.95	-0.42
13,923.00	91.40	357.80	10,044.24	4,189.74	192.69	4,193.50	1.46	0.74	-1.26
14,018.00	92.40	357.40	10,041.09	4,284.61	188.71	4,288.22	1.13	1.05	-0.42
14,112.00	92.60	357.20	10,036.99	4,378.41	184.29	4,381.86	0.30	0.21	-0.21
14,207.00	93.10	357.30	10,032.26	4,473.18	179.73	4,476.47	0.54	0.53	0.11
14,301.00	95.60	357.60	10,025.13	4,566.81	175.56	4,569.94	2.68	2.66	0.32
14,396.00	95.30	356.90	10,016.11	4,661.27	171.03	4,664.24	0.80	-0.32	-0.74
14,492.00	94.50	357.00	10,007.91	4,756.79	165.94	4,759.57	0.84	-0.83	0.10
Final Phoenix Survey									
14,550.00	94.50	357.00	10,003.36	4,814.53	162.91	4,817.21	0.00	0.00	0.00
Projection to TD									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
9,417.13	9,410.56	96.00	185.01	Tie In to Gyrodata Gyro Surveys
14,492.00	10,007.91	4,756.79	165.94	Final Phoenix Survey
14,550.00	10,003.36	4,814.53	162.91	Projection to TD

Checked By: _____ Approved By: _____ Date: _____