

**Phoenix Technology Services
SURVEY DATA CERTIFICATION**



PHOENIX JOB NUMBER 60032

ENERGY COMPANY Matador Resources

WELL NAME B Banker 33-23S-28E RB #221H

COUNTY & STATE Eddy County, New Mexico

API WELL NUMBER 30-015-43306

PROPOSED DIRECTION 269.56°

TIE-IN DATA						
MEASURED DEPTH	VERTICAL DEPTH	INCLIN	AZIMUTH	N-S COORD	E-W COORD	DATA SOURCE
525.00 ft	524.96 ft	1.80°	182.00°	-4.99 ft	-.50 ft	VES Gyro

FIRST SURVEY DATE	FIRST SURVEY DEPTH	INCLIN	AZIMUTH
21-Apr-16	601.00 ft	3.10°	183.70°

SURVEY INSTRUMENT TYPE
Phoenix MWD

LAST SURVEY DATE	LAST SURVEY DEPTH	INCLIN	AZIMUTH
7-May-16	15,083.00 ft	92.80°	271.90°

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
7-May-16	15,151.00 ft	92.80°	271.90°

Brian Pittman

PRINT YOUR NAME ABOVE

Brian Pittman

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	7.3
DECLINATION OR GRID	GRID

MWD SUPERVISOR 1

Brian Pittman

DIRECTIONAL DRILLER 1

Dustin Barnett

MWD SUPERVISOR 2

Michael Johnson

DIRECTIONAL DRILLER 2

Vinn Adams

12329 Cutten Rd., Houston, Texas 77066

(713)337-0600 (Voice), (713)337-0599 (Fax)

Job Number: 60032

State/Country: NM

Company: Matador

Declination:

Lease/Well: B Banker 33-23S-28E RB #221H

Grid:

Location: Eddy County

File name: C:\WINSERVE\60032.SVY

Rig Name: Patterson 297

Date/Time: 07-May-16 / 09:22

RKB:

Curve Name: B Banker 33-23S-28E RB #221H

G.L. or M.S.L.:

Phoenix Technology Services

WINSERVE SURVEY CALCULATIONS

*Minimum Curvature Method**Vertical Section Plane 269.56**Vertical Section Referenced to Wellhead**Rectangular Coordinates Referenced to Wellhead*

<i>Measured Depth FT</i>	<i>Incl Angle Deg</i>	<i>Drift Direction Deg</i>	<i>True Vertical Depth</i>	<i>N-S FT</i>	<i>E-W FT</i>	<i>Vertical Section FT</i>	<i>CLOSURE Distance FT</i>	<i>Direction Deg</i>	<i>Dogleg Severity Deg/100</i>
Teledrift Tie-in									
525.00	1.80	182.00	524.95	-4.99	-.50	.54	5.01	185.72	.00
601.00	3.10	183.70	600.88	-8.23	-.67	.74	8.26	184.68	1.71
691.00	.70	181.80	690.82	-11.21	-.85	.93	11.24	184.33	2.67
783.00	2.40	36.20	782.80	-10.22	.27	-.19	10.22	178.48	3.26
874.00	3.20	27.80	873.69	-6.43	2.58	-2.53	6.93	158.14	.99
968.00	5.50	34.40	967.41	-.40	6.35	-6.35	6.36	93.57	2.50
1155.00	7.30	34.10	1153.24	16.84	18.08	-18.20	24.70	47.03	.96
1342.00	6.20	40.30	1338.95	34.38	31.27	-31.53	46.47	42.29	.70
1529.00	7.40	39.70	1524.63	51.34	45.49	-45.88	68.60	41.54	.64
1716.00	6.40	41.30	1710.27	68.44	60.06	-60.59	91.06	41.27	.54
1904.00	9.30	62.10	1896.52	83.43	80.41	-81.05	115.87	43.95	2.14
2091.00	6.40	57.80	2081.75	96.05	102.59	-103.32	140.54	46.88	1.58
2278.00	7.00	57.10	2267.48	107.80	120.98	-121.80	162.04	48.30	.32
2466.00	5.20	43.80	2454.41	120.17	136.49	-137.41	181.86	48.64	1.21
2653.00	4.70	33.30	2640.72	132.69	146.57	-147.58	197.71	47.84	.55
2754.00	5.10	31.30	2741.35	139.98	151.17	-152.24	206.03	47.20	.43
2942.00	4.40	26.60	2928.70	153.57	158.74	-159.92	220.87	45.95	.43
3129.00	4.50	41.10	3115.15	165.52	166.77	-168.04	234.97	45.22	.60
3316.00	4.00	39.20	3301.63	176.10	175.72	-177.07	248.77	44.94	.28
3504.00	4.30	41.90	3489.14	186.42	184.57	-186.00	262.34	44.71	.19
3691.00	4.90	40.40	3675.53	197.73	194.43	-195.94	277.30	44.52	.33
3878.00	5.90	35.10	3861.70	211.67	205.13	-206.75	294.76	44.10	.60
4065.00	5.50	27.40	4047.78	227.49	214.78	-216.52	312.86	43.35	.46
4252.00	6.50	33.60	4233.76	244.26	224.76	-226.63	331.94	42.62	.64
4440.00	7.30	34.50	4420.39	262.97	237.42	-239.43	354.29	42.08	.43

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
4627.00	6.50	35.80	4606.04	281.35	250.34	-252.49	376.60	41.66	.44
4814.00	3.80	38.50	4792.27	294.78	260.39	-262.65	393.32	41.46	1.45
5002.00	5.90	38.20	4979.58	307.25	270.25	-272.60	409.19	41.33	1.12
5189.00	5.50	30.50	5165.66	322.53	280.74	-283.21	427.60	41.04	.46
5376.00	5.20	22.10	5351.85	338.10	288.47	-291.06	444.44	40.47	.45
5563.00	5.40	23.60	5538.05	354.02	295.18	-297.89	460.94	39.82	.13
5751.00	4.20	29.40	5725.39	368.12	302.11	-304.92	476.22	39.37	.69
5938.00	2.40	26.70	5912.07	377.59	307.23	-310.12	486.79	39.13	.97
6125.00	1.60	25.30	6098.95	383.44	310.10	-313.04	493.15	38.96	.43
6313.00	1.80	35.50	6286.87	388.22	312.94	-315.91	498.64	38.87	.19
6500.00	.40	60.60	6473.83	390.93	315.21	-318.21	502.18	38.88	.77
6687.00	.10	40.70	6660.83	391.38	315.89	-318.88	502.95	38.91	.16
6875.00	1.80	50.20	6848.80	393.39	318.26	-321.28	506.01	38.97	.91
6963.00	1.40	58.40	6936.76	394.84	320.24	-323.26	508.38	39.04	.52
7057.00	1.10	67.50	7030.74	395.79	322.05	-325.08	510.26	39.14	.38
7150.00	1.80	79.50	7123.71	396.39	324.31	-327.35	512.16	39.29	.82
7244.00	1.40	134.00	7217.68	395.86	326.59	-329.62	513.20	39.52	1.60
7337.00	2.30	142.90	7310.63	393.59	328.53	-331.55	512.68	39.85	1.01
7431.00	1.70	142.80	7404.57	390.97	330.52	-333.51	511.96	40.21	.64
7525.00	.90	197.10	7498.55	389.16	331.14	-334.12	510.98	40.40	1.47
7618.00	1.40	86.80	7591.54	388.52	332.06	-335.03	511.09	40.52	2.05
7712.00	2.20	65.60	7685.49	389.33	334.85	-337.83	513.52	40.70	1.09
7806.00	1.70	90.80	7779.44	390.06	337.89	-340.87	516.05	40.90	1.04
7899.00	2.30	87.00	7872.38	390.13	341.13	-344.12	518.24	41.17	.66
7993.00	1.70	165.80	7966.34	388.88	343.36	-346.33	518.77	41.44	2.75
8087.00	2.30	198.80	8060.29	385.74	343.09	-346.04	516.25	41.65	1.35
8181.00	2.00	207.40	8154.22	382.50	341.73	-344.66	512.92	41.78	.47
8274.00	1.40	218.90	8247.18	380.18	340.27	-343.18	510.21	41.83	.74
8368.00	1.00	208.10	8341.16	378.56	339.16	-342.06	508.27	41.86	.49
8462.00	1.40	183.80	8435.14	376.69	338.70	-341.58	506.57	41.96	.68
8555.00	4.00	183.20	8528.03	372.32	338.44	-341.29	503.15	42.27	2.80
8649.00	2.00	173.10	8621.89	367.42	338.46	-341.27	499.55	42.65	2.19
8743.00	3.10	162.30	8715.80	363.37	339.43	-342.21	497.24	43.05	1.27
8836.00	3.50	184.00	8808.65	358.14	339.99	-342.73	493.82	43.51	1.40
8930.00	2.80	181.00	8902.51	352.98	339.75	-342.45	489.92	43.91	.76
9023.00	2.50	182.40	8995.41	348.68	339.63	-342.29	486.75	44.25	.33
9117.00	2.20	200.60	9089.33	344.95	338.91	-341.55	483.57	44.49	.85
9211.00	2.60	206.50	9183.25	341.35	337.32	-339.93	479.90	44.66	.50
9304.00	2.00	215.40	9276.17	338.14	335.44	-338.03	476.29	44.77	.75
9398.00	1.60	229.10	9370.13	335.94	333.50	-336.07	473.37	44.79	.62
9491.00	1.30	241.60	9463.10	334.59	331.59	-334.15	471.06	44.74	.47
9585.00	1.10	232.40	9557.08	333.53	329.93	-332.49	469.15	44.69	.29
9673.00	1.70	222.80	9645.05	332.06	328.38	-330.92	467.01	44.68	.73
9741.00	4.40	245.30	9712.95	330.23	325.32	-327.85	463.56	44.57	4.27
9788.00	9.30	272.60	9759.61	329.65	319.89	-322.41	459.34	44.14	12.24

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
9835.00	13.90	282.40	9805.64	331.03	310.57	-313.11	453.91	43.17	10.61
9882.00	20.00	285.40	9850.58	334.38	297.30	-299.86	447.43	41.64	13.11
9929.00	23.60	283.10	9894.21	338.65	280.38	-282.97	439.66	39.62	7.87
9976.00	25.80	280.70	9936.91	342.68	261.16	-263.79	430.86	37.31	5.14
10022.00	26.40	279.00	9978.22	346.14	241.23	-243.88	421.90	34.87	2.08
10069.00	28.90	276.40	10019.85	349.04	219.62	-222.29	412.38	32.18	5.91
10101.00	32.30	274.00	10047.39	350.50	203.40	-206.08	405.24	30.13	11.29
10132.00	32.40	275.50	10073.58	351.87	186.87	-189.56	398.42	27.97	2.61
10163.00	34.40	276.90	10099.46	353.72	169.90	-172.62	392.41	25.66	6.91
10194.00	37.70	277.90	10124.52	356.08	151.82	-154.55	387.09	23.09	10.81
10225.00	41.00	276.50	10148.49	358.53	132.32	-135.07	382.17	20.26	11.02
10256.00	44.70	276.60	10171.21	360.94	111.38	-114.15	377.73	17.15	11.94
10301.00	50.80	274.70	10201.46	364.19	78.25	-81.04	372.50	12.13	13.91
10350.00	55.80	274.50	10230.73	367.34	39.10	-41.92	369.41	6.08	10.21
10397.00	61.20	272.60	10255.28	369.80	-88	-1.96	369.80	359.86	11.99
10444.00	65.70	269.50	10276.29	370.55	-42.90	40.06	373.02	353.40	11.24
10490.00	70.40	269.90	10293.48	370.32	-85.56	82.71	380.08	346.99	10.25
10537.00	75.40	271.70	10307.29	370.96	-130.46	127.60	393.23	340.62	11.25
10584.00	79.80	274.10	10317.39	373.29	-176.29	173.41	412.82	334.72	10.61
10758.00	87.50	273.10	10336.62	384.13	-348.75	345.79	518.82	317.76	4.46
10853.00	90.80	270.60	10338.03	387.19	-443.67	440.68	588.86	311.11	4.36
10947.00	91.10	271.30	10336.47	388.75	-537.64	534.64	663.46	305.87	.81
11042.00	89.30	271.30	10336.14	390.91	-632.61	629.59	743.64	301.71	1.89
11136.00	91.60	273.10	10335.40	394.52	-726.53	723.48	826.73	298.50	3.11
11230.00	89.70	271.70	10334.33	398.45	-820.43	817.35	912.07	295.90	2.51
11324.00	91.90	273.40	10333.02	402.63	-914.32	911.20	999.05	293.77	2.96
11418.00	85.60	271.20	10335.07	406.40	-1008.17	1005.02	1087.00	291.95	7.10
11512.00	86.40	267.50	10341.63	405.34	-1101.92	1098.77	1174.10	290.20	4.02
11607.00	90.50	267.50	10344.20	401.20	-1196.77	1193.66	1262.23	288.53	4.32
11701.00	89.90	264.90	10343.87	394.97	-1290.56	1287.49	1349.64	287.02	2.84
11796.00	90.50	262.90	10343.54	384.87	-1385.01	1382.02	1437.49	285.53	2.20
11891.00	91.40	264.60	10341.96	374.53	-1479.43	1476.51	1526.10	284.21	2.02
11986.00	90.70	266.10	10340.22	366.83	-1574.10	1571.24	1616.28	283.12	1.74
12080.00	94.10	265.70	10336.28	360.12	-1667.76	1664.95	1706.20	282.18	3.64
12173.00	92.80	269.00	10330.69	355.83	-1760.48	1757.69	1796.08	281.43	3.81
12268.00	93.30	269.00	10325.63	354.17	-1855.33	1852.56	1888.83	280.81	.53
12361.00	91.50	267.90	10321.74	351.66	-1948.21	1945.45	1979.69	280.23	2.27
12456.00	94.20	272.90	10317.01	352.32	-2043.05	2040.28	2073.21	279.78	5.98
12549.00	91.10	271.70	10312.71	356.04	-2135.86	2133.07	2165.34	279.46	3.57
12643.00	88.10	270.00	10313.37	357.44	-2229.84	2227.03	2258.30	279.11	3.67
12738.00	89.60	272.00	10315.27	359.10	-2324.79	2321.97	2352.37	278.78	2.63
12832.00	90.20	272.60	10315.44	362.87	-2418.72	2415.86	2445.79	278.53	.90
12926.00	93.40	274.00	10312.49	368.28	-2512.50	2509.60	2539.35	278.34	3.72
13020.00	90.40	272.60	10309.37	373.68	-2606.28	2603.33	2632.93	278.16	3.52
13114.00	93.60	273.80	10306.09	378.92	-2700.06	2697.07	2726.52	277.99	3.64

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
13208.00	91.00	271.00	10302.32	382.85	-2793.89	2790.87	2820.00	277.80	4.06
13303.00	93.10	273.60	10298.92	386.66	-2888.74	2885.68	2914.50	277.62	3.52
13397.00	91.50	269.70	10295.14	389.36	-2982.60	2979.52	3007.91	277.44	4.48
13491.00	89.80	268.30	10294.08	387.72	-3076.58	3073.51	3100.91	277.18	2.34
13585.00	92.60	269.40	10292.11	385.84	-3170.53	3167.47	3193.92	276.94	3.20
13679.00	91.70	268.80	10288.58	384.36	-3264.45	3261.40	3287.00	276.72	1.15
13774.00	91.50	268.40	10285.93	382.04	-3359.38	3356.35	3381.03	276.49	.47
13868.00	89.10	266.40	10285.44	377.78	-3453.27	3450.27	3473.87	276.24	3.32
13963.00	95.20	267.60	10281.88	372.81	-3548.03	3545.06	3567.56	276.00	6.54
14058.00	94.20	267.20	10274.09	368.52	-3642.61	3639.67	3661.20	275.78	1.13
14152.00	93.60	267.00	10267.70	363.77	-3736.27	3733.37	3753.94	275.56	.67
14246.00	93.60	266.80	10261.80	358.70	-3829.95	3827.08	3846.71	275.35	.21
14340.00	92.90	265.80	10256.47	352.64	-3923.60	3920.78	3939.41	275.14	1.30
14434.00	94.20	265.80	10250.65	345.77	-4017.16	4014.39	4032.02	274.92	1.38
14529.00	97.40	268.50	10241.05	341.07	-4111.54	4108.80	4125.66	274.74	4.40
14622.00	97.20	271.30	10229.23	340.90	-4203.78	4201.03	4217.58	274.64	2.99
14717.00	93.80	271.70	10220.12	343.38	-4298.29	4295.53	4311.99	274.57	3.60
14811.00	90.40	271.10	10216.68	345.67	-4392.19	4389.40	4405.77	274.50	3.67
14905.00	91.60	271.60	10215.04	347.89	-4486.14	4483.34	4499.61	274.43	1.38
15000.00	93.20	272.40	10211.06	351.20	-4581.00	4578.17	4594.44	274.38	1.88
15083.00	92.80	271.90	10206.72	354.31	-4663.83	4660.97	4677.27	274.34	.77
Projection to TD									
15151.00	92.80	271.90	10203.39	356.56	-4731.71	4728.83	4745.12	274.31	.00