



30.015.43317

April 7, 2016

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 7 2016

 **RECEIVED**

Attn: Ava Monroe

Re: **Janie Conner 13 24S 28E RB No. 204H**

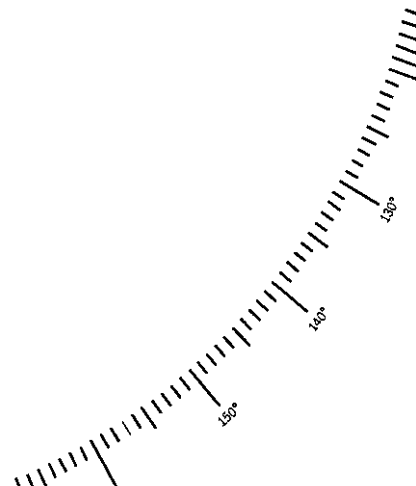
Please find enclosed a copy of the survey from 0' to 540' ran on the above referenced well.

If I can be of any further service, please do not hesitate to call me at 800-606-4976.

Sincerely,

A handwritten signature in black ink, appearing to read "JB" or "Byerly", written over the printed name.

Jennifer Byerly
Operations

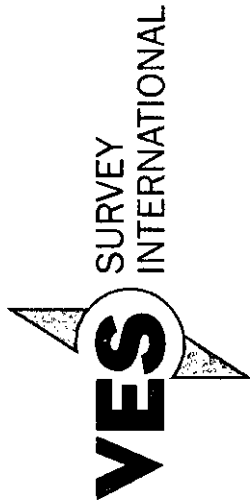




Company: Matador Production
 Lease/Well: Janie Conner 13 24S 28E RB No/204H

Rig Name: Patterson 297
 State/County: New Mexico/Eddy
 VS-Azi: 0.00 Degrees

Latitude: 32.21145, Longitude: -104.04960
 Grid North = True North -0.15 degs (NAD 27)
 Grid Correction Applied = -0.15 degs



Depth Reference : RKB = 28.5 Foot

DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: ...4s 28e rb 204h_gyro survey.ut
 Minimum Curvature Method
 Report Date/Time: 4/7/2016 / 10:29

VES Survey International
 West Texas
 (432) 563-5444

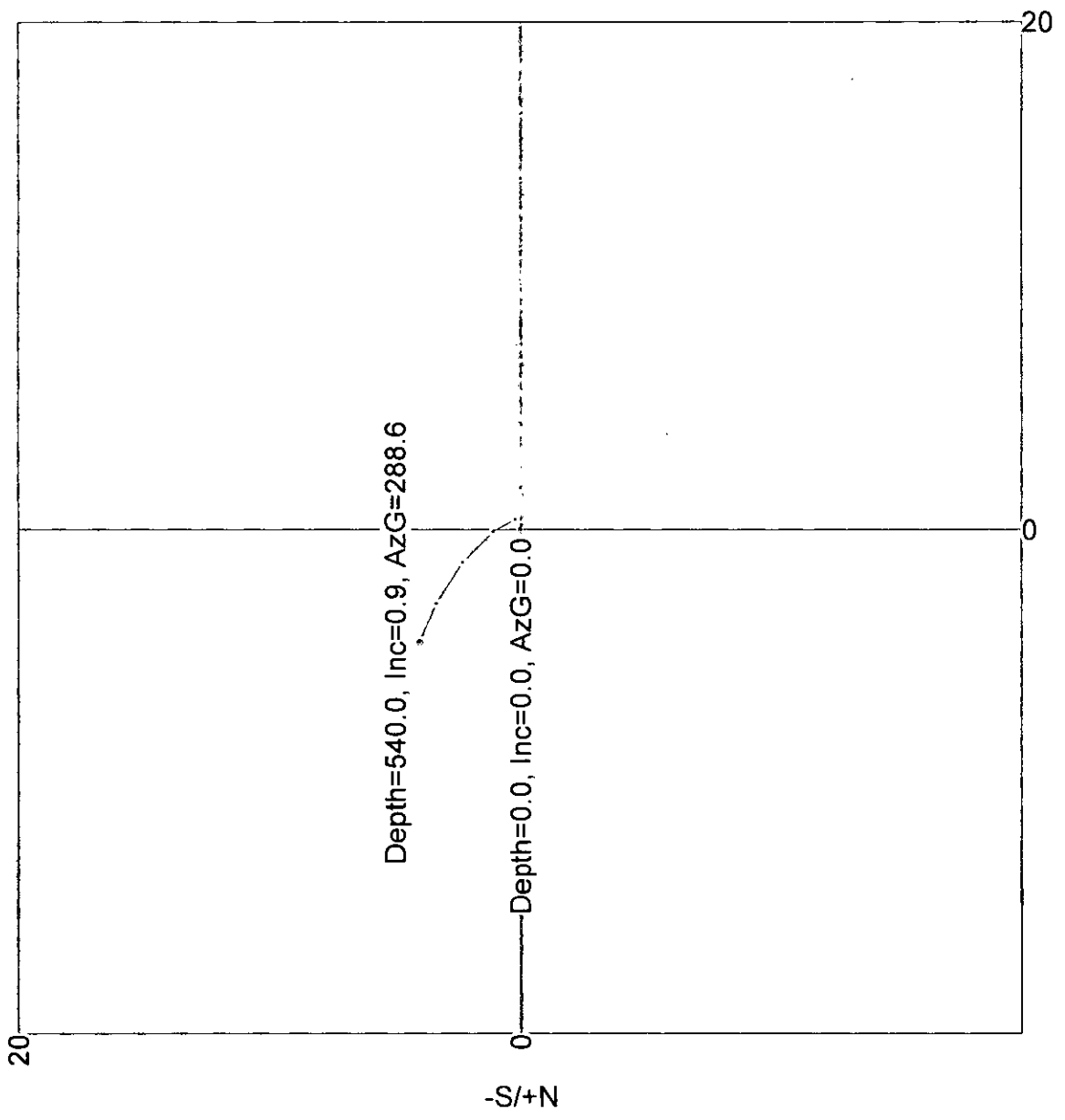
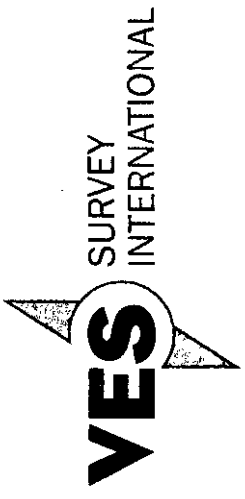
Surveyor: Gene Heiss

Janie Conner 13 24S 28E RB No 204H / API 30-015-43317

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	****
79.20	0.29	97.79	79.20	-0.03	0.20	-0.03	0.20	97.79	0.36
171.36	0.35	354.65	171.36	0.22	0.40	0.22	0.46	60.97	0.54
263.52	0.94	323.34	263.51	1.11	-0.08	1.11	1.11	356.02	0.72
355.68	1.22	308.58	355.66	2.32	-1.29	2.32	2.66	330.90	0.42
447.84	1.20	297.18	447.80	3.37	-2.92	3.37	4.46	319.14	0.26
540.00	0.86	288.63	539.94	4.04	-4.44	4.04	6.00	312.30	0.40



VES Survey International
West Texas
(432) 563-5444
Surveyor: Gene Heiss
Janie Conner 13 24S 28E RB No 204H / API 30-015-43317





I Gene Heiss certify that I am employed by VES Survey International. That I did on the day(s) of 03/28/16 through 03/28/16 conduct or supervise the taking of a Rate Gyro survey from a depth of 0.00 feet to a depth of 540.00 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 Janie Conner 13 24S 28E RB Well # 204H API # 30-015-43317 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.

A handwritten signature in black ink, appearing to be "Gene Heiss", written over a horizontal line.

Gene Heiss
Service Technician
VES Survey International



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Gene Heiss
Service Technician
VES Survey International



April 15, 2016

Matador Production Company
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Attn: Ava Monroe

Re: **Janie Conner 13 24S 28E RB No 204H**

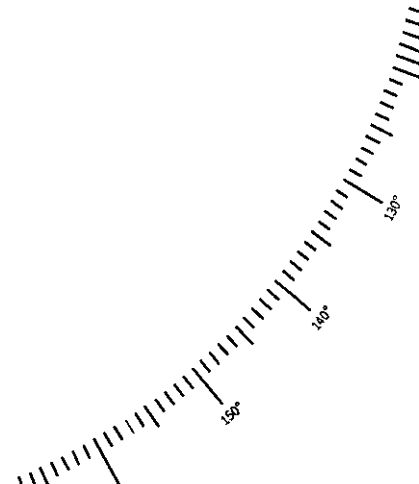
Please find enclosed a copy of the survey from 0' to 8900' ran on the above referenced well.

If I can be of any further service, please do not hesitate to call me at 800-606-4976.

Sincerely,

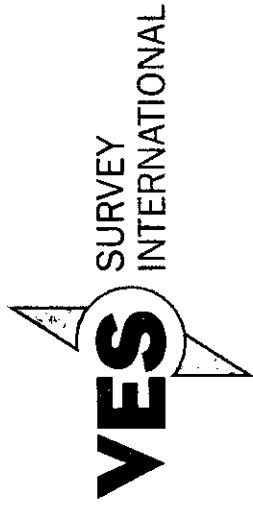
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Jennifer Byerly
Operations





Company: Matador Resources
Lease/Well: Janie Conner 13 24S 28E RB No/204H



Rig Name: Patterson 297
State/County: New Mexico/Eddy
VS-Azi: 0.00 Degrees
Latitude: 32.21145, Longitude: -104.04960
Grid North = True North -0.15 degs (NAD 27)
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Depth Reference : RKB = 28.5 Foot

DRILLOG MS GYRO SURVEY CALCULATIONS

Filename: ...4s 28e rb 204h_gyro survey.ut

Minimum Curvature Method

Report Date/Time: 4/15/2016 / 12:23

VES Survey International
West Texas
(432) 563-5444

Surveyor: Gene Heiss

Janie Conner 13 24S 28E RB No 204H / API 30-015-43317

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	****
73.55	0.22	152.36	73.55	-0.12	0.06	-0.12	0.14	152.36	0.29
166.46	0.43	352.46	166.46	0.07	0.10	0.07	0.12	56.84	0.68
259.37	0.87	326.92	259.36	1.00	-0.33	1.00	1.06	341.71	0.56
352.28	1.16	326.86	352.26	2.38	-1.23	2.38	2.68	332.67	0.31
445.19	1.28	306.07	445.15	3.78	-2.59	3.78	4.58	325.55	0.49
538.10	1.21	299.55	538.04	4.88	-4.28	4.88	6.49	318.76	0.17
631.01	0.89	297.77	630.93	5.70	-5.77	5.70	8.11	314.64	0.34
723.92	0.47	304.96	723.83	6.25	-6.72	6.25	9.18	312.93	0.46
816.83	0.68	6.72	816.74	7.02	-6.97	7.02	9.90	315.19	0.66
909.74	1.20	27.39	909.64	8.43	-6.46	8.43	10.62	322.52	0.66
1002.65	1.62	21.16	1002.52	10.52	-5.54	10.52	11.89	332.21	0.48
1095.56	1.60	33.73	1095.39	12.82	-4.35	12.82	13.54	341.27	0.38
1188.47	0.19	355.28	1188.29	14.05	-3.64	14.05	14.52	345.48	1.57
1281.38	0.50	298.92	1281.20	14.40	-4.00	14.40	14.95	344.47	0.45
1374.29	0.73	254.20	1374.10	14.44	-4.93	14.44	15.25	341.15	0.56
1467.20	1.00	225.45	1467.00	13.71	-6.07	13.71	14.99	336.10	0.54

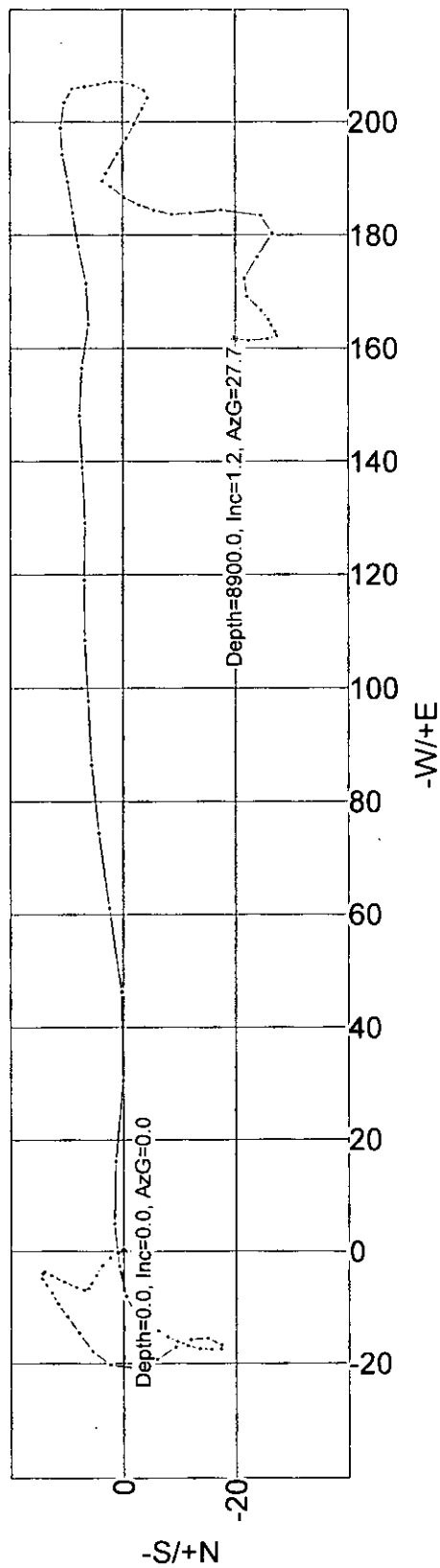
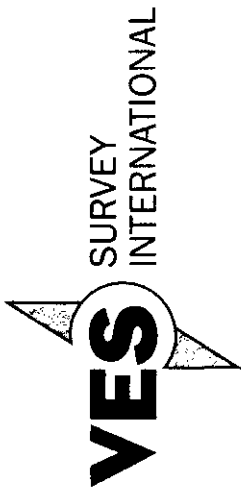
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1560.11	1.20	243.83	1559.90	12.71	-7.52	12.71	14.77	329.38	0.44
1653.02	1.44	237.86	1652.78	11.66	-9.39	11.66	14.97	321.17	0.30
1745.93	2.06	232.26	1745.65	10.02	-11.70	10.02	15.40	310.58	0.69
1838.84	2.37	236.70	1838.49	7.94	-14.62	7.94	16.64	298.51	0.38
1931.75	2.59	230.42	1931.31	5.55	-17.85	5.55	18.69	287.27	0.38
2024.66	2.50	201.83	2024.13	2.33	-20.22	2.33	20.36	276.57	1.36
2117.57	2.90	175.58	2116.94	-1.89	-20.79	-1.89	20.88	264.80	1.38
2210.48	2.74	141.14	2209.75	-5.97	-19.22	-5.97	20.12	252.76	1.80
2303.39	2.08	154.83	2302.57	-9.22	-17.11	-9.22	19.43	241.68	0.94
2396.30	1.56	151.52	2395.44	-11.86	-15.79	-11.86	19.75	233.08	0.56
2489.21	2.38	191.58	2488.30	-14.87	-15.57	-14.87	21.53	226.33	1.67
2582.12	1.20	231.37	2581.16	-17.36	-16.72	-17.36	24.10	223.91	1.78
2675.03	0.86	356.86	2674.06	-17.27	-17.51	-17.27	24.60	225.39	1.97
2767.94	1.27	0.81	2766.96	-15.55	-17.53	-15.55	23.44	228.42	0.45
2860.85	1.31	5.42	2859.84	-13.47	-17.42	-13.47	22.02	232.29	0.12
2953.76	1.35	22.98	2952.73	-11.40	-16.89	-11.40	20.38	235.98	0.44
3046.67	1.15	21.96	3045.62	-9.53	-16.11	-9.53	18.72	239.41	0.21
3139.58	1.24	27.54	3138.51	-7.77	-15.30	-7.77	17.16	243.08	0.16
3232.49	1.07	38.16	3231.40	-6.20	-14.30	-6.20	15.58	246.57	0.29
3325.40	1.13	32.49	3324.29	-4.74	-13.27	-4.74	14.09	250.34	0.13
3418.31	1.07	38.73	3417.18	-3.29	-12.24	-3.29	12.67	254.95	0.14
3511.22	1.24	46.09	3510.08	-1.91	-10.97	-1.91	11.13	260.10	0.24
3604.13	2.84	71.77	3602.93	-0.49	-8.05	-0.49	8.07	266.49	1.94
3697.04	3.94	79.70	3695.67	0.80	-2.73	0.80	2.84	286.30	1.29
3789.95	5.53	86.61	3788.26	1.63	4.89	1.63	5.15	71.52	1.81
3882.86	8.32	94.42	3880.49	1.38	16.06	1.38	16.12	85.09	3.16
3975.77	9.79	95.66	3972.24	0.08	30.62	0.08	30.62	89.85	1.60
4068.68	9.78	82.41	4063.81	0.35	46.31	0.35	46.31	89.57	2.42
4161.59	8.73	81.14	4155.51	2.47	61.10	2.47	61.15	87.68	1.16
4254.50	7.87	83.06	4247.44	4.33	74.38	4.33	74.50	86.67	0.97
4347.41	7.18	84.94	4339.55	5.61	86.48	5.61	86.66	86.29	0.79
4440.32	6.81	89.22	4431.77	6.20	97.77	6.20	97.97	86.37	0.69
4533.23	6.54	84.14	4524.05	6.81	108.54	6.81	108.75	86.41	0.70
4626.14	6.46	94.98	4616.37	6.90	119.01	6.90	119.21	86.68	1.32
4719.05	6.15	86.26	4708.72	6.77	129.18	6.77	129.36	87.00	1.08
4811.96	5.98	88.30	4801.11	7.24	138.99	7.24	139.18	87.02	0.30
4904.87	5.31	85.53	4893.57	7.72	148.11	7.72	148.31	87.02	0.77
4997.78	5.12	100.45	4986.10	7.30	156.48	7.30	156.65	87.33	1.47
5090.69	4.57	96.69	5078.68	6.12	164.23	6.12	164.34	87.87	0.68

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
5183.60	4.53	76.60	5171.30	6.54	171.47	6.54	171.59	87.82	1.71
5276.51	3.73	79.76	5263.97	7.92	178.01	7.92	178.19	87.45	0.89
5369.42	3.70	81.79	5356.68	8.89	183.96	8.89	184.17	87.23	0.15
5462.33	3.13	79.93	5449.43	9.76	189.42	9.76	189.67	87.05	0.63
5555.24	2.97	76.76	5542.20	10.76	194.26	10.76	194.56	86.83	0.25
5648.15	2.91	96.37	5634.99	11.05	198.95	11.05	199.26	86.82	1.08
5741.06	2.69	99.93	5727.79	10.41	203.45	10.41	203.71	87.07	0.30
5833.97	1.34	164.83	5820.65	8.99	205.88	8.99	206.07	87.50	2.63
5926.88	1.48	175.04	5913.54	6.74	206.27	6.74	206.38	88.13	0.31
6019.79	1.46	166.50	6006.41	4.39	206.65	4.39	206.69	88.78	0.24
6112.70	1.29	169.60	6099.30	2.21	207.11	2.21	207.12	89.39	0.20
6205.61	1.27	191.84	6192.19	0.18	207.09	0.18	207.09	89.95	0.53
6298.52	1.38	199.52	6285.07	-1.88	206.50	-1.88	206.51	90.52	0.23
6391.43	1.20	214.67	6377.96	-3.74	205.57	-3.74	205.61	91.04	0.41
6484.34	0.98	281.13	6470.85	-4.39	204.24	-4.39	204.29	91.23	1.30
6577.25	1.69	306.15	6563.74	-3.43	202.36	-3.43	202.39	90.97	0.97
6670.16	2.20	290.09	6656.60	-2.01	199.58	-2.01	199.59	90.58	0.80
6763.07	1.35	311.80	6749.46	-0.67	197.09	-0.67	197.09	90.19	1.16
6855.98	2.63	296.87	6842.31	1.03	194.37	1.03	194.38	89.70	1.48
6948.89	2.27	302.70	6935.14	2.99	190.92	2.99	190.94	89.10	0.47
7041.80	0.50	154.26	7028.03	3.61	189.55	3.61	189.58	88.91	2.92
7134.71	1.87	227.50	7120.92	2.22	188.60	2.22	188.62	89.33	1.93
7227.62	2.04	210.46	7213.78	-0.23	186.65	-0.23	186.65	90.07	0.65
7320.53	1.61	201.11	7306.64	-2.88	185.34	-2.88	185.36	90.89	0.57
7413.44	1.90	197.19	7399.50	-5.56	184.41	-5.56	184.50	91.73	0.34
7506.35	2.06	189.70	7492.36	-8.67	183.68	-8.67	183.88	92.70	0.33
7599.26	2.13	164.89	7585.21	-11.99	183.85	-11.99	184.24	93.73	0.97
7692.17	4.66	178.27	7677.95	-17.43	184.41	-17.43	185.23	95.40	2.84
7785.08	4.17	198.17	7770.59	-24.42	183.47	-24.42	185.09	97.58	1.72
7877.99	2.98	297.20	7863.38	-26.53	180.26	-26.53	182.20	98.37	5.91
7970.90	3.09	309.52	7956.16	-23.83	176.18	-23.83	177.79	97.70	0.71
8063.81	2.51	289.25	8048.97	-21.57	172.34	-21.57	173.68	97.13	1.22
8156.72	2.08	226.94	8141.81	-22.05	169.19	-22.05	170.62	97.42	2.58
8249.63	2.28	224.83	8234.66	-24.51	166.66	-24.51	168.45	98.37	0.24
8342.54	0.41	255.45	8327.54	-25.91	165.03	-25.91	167.05	98.92	2.09
8435.45	0.90	240.97	8420.44	-26.34	164.07	-26.34	166.17	99.12	0.55
8528.36	0.70	228.77	8513.34	-27.07	163.01	-27.07	165.24	99.43	0.28
8621.27	0.49	284.23	8606.25	-27.35	162.19	-27.35	164.48	99.57	0.63
8714.18	2.00	352.77	8699.14	-25.64	161.60	-25.64	163.62	99.02	2.02

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
8807.09	2.13	358.74	8791.99	-22.31	161.36	-22.31	162.89	97.87	0.27
8900.00	1.17	27.70	8884.86	-19.74	161.76	-19.74	162.96	96.96	1.34



VES Survey International
West Texas
(432) 563-5444
Surveyor: Gene Heiss
Janie Conner 13 24S 28E RB No 204H / API 30-015-43317



VES Survey Date: 4/4/2016



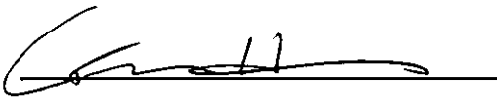
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Gene Heiss
Service Technician
VES Survey International



PHOENIX
TECHNOLOGY SERVICES

April 15, 2016

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

Re: Matador Resources
Janie Conner 13-24S-28E RB #204H
Eddy County, New Mexico
API #30-015-43317
Job No. 60018

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	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Brian Pittman	204H	8,830	14,444	04/04/16	04/13/16	MWD

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

Best Regards,
Claudia Carreon

Claudia Carreon
Operations Administrator

Phoenix Technology Services
SURVEY DATA CERTIFICATION



PHOENIX JOB NUMBER 60018

ENERGY COMPANY Matador Resources

WELL NAME Janie Conner 13-24S-28E RB 204H

COUNTY & STATE Eddy County, New Mexico

API WELL NUMBER 30-015-43317

PROPOSED DIRECTION 90.33°

TIE-IN DATA						
MEASURED	VERTICAL			N-S	E-W	DATA
DEPTH	DEPTH	INCLIN	AZIMUTH	COORD	COORD	SOURCE
8,807.09 ft	8,791.99 ft	2.13°	358.74°	22.31 S	161.36 E	VES Gyro

FIRST	FIRST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
4-Apr-16	8,830.00 ft	1.70°	355.40°

SURVEY INSTRUMENT
TYPE
Phoenix MWD

LAST	LAST		
SURVEY	SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
13-Apr-16	14,444.00 ft	86.9°	88.1°

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

PROJECTED	PROJECTED		
TD SURVEY	TD SURVEY		
DATE	DEPTH	INCLIN	AZIMUTH
13-Apr-16	14,525.00 ft	86.9°	88.1°

Brian Pittman

PRINT YOUR NAME ABOVE

Brian Pittman

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	7.22
DECLINATION OR GRID	GRID

13-Apr-16

TODAY'S DATE

MWD SUPERVISOR 1

Shane King

DIRECTIONAL DRILLER 1

Dustin Barnett

MWD SUPERVISOR 2

Brian Pittman

DIRECTIONAL DRILLER 2

Vinn Adams



Matador Resources

**Eddy County, NM (NAD27 NME)
Janie Conner 13-24S-28E RB
204H**

OH / Job 60018

Survey: Phoenix MWD Surveys

Standard Survey Report

14 April, 2016





Phoenix Technology Services
Survey Report



Company:	Matador Resources	Local Co-ordinate Reference:	Well 204H
Project:	Eddy County, NM (NAD27 NME)	TVD Reference:	RKB @ 3005.50usft (Patterson 297)
Site:	Janie Conner 13-24S-28E RB	MD Reference:	RKB @ 3005.50usft (Patterson 297)
Well:	204H	North Reference:	Grid
Wellbore:	OH / Job 60018	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 297)	Database:	Compass 5000 GCR

Project	Eddy County, NM (NAD27 NME)		
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	Janie Conner 13-24S-28E RB				
Site Position:		Northing:	440,790.00 usft	Latitude:	32° 12' 41.50948 N
From:	Map	Easting:	587,754.00 usft	Longitude:	104° 2' 58.55371 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.15 "

Well	204H					
Well Position	+N/-S	0.00 usft	Northing:	440,759.83 usft	Latitude:	32° 12' 41.21091 N
	+E/-W	0.00 usft	Easting:	587,753.85 usft	Longitude:	104° 2' 58.55644 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	2,978.00 usft

Wellbore	OH / Job 60018				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	3/21/2016	7.37	60.07	48,242

Design	Surveys (Patterson 297)				
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	90.33	

Survey Program	Date 4/14/2016				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
73.55	8,807.09	VES Gyro Surveys (OH / Job 60018)	ISCWSA-GYRO-3	Biaxial Semi-Cont. Gyro	
8,830.00	14,525.00	Phoenix MWD Surveys (OH / Job 60018)	PHX+MWD+HDGM	PHX+QWSG MWD + HDGM	

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)
8,807.09	2.13	358.74	8,791.99	-22.31	161.36	161.49	0.00	0.00	0.00
Tie-in to VES Gyros									
8,830.00	1.70	355.40	8,814.88	-21.55	161.32	161.44	1.94	-1.88	-14.58
First Phoenix MWD Survey									
8,924.00	1.00	51.70	8,908.86	-19.65	161.86	161.97	1.51	-0.74	59.89
9,041.00	0.40	67.60	9,025.85	-18.86	163.03	163.14	0.53	-0.51	13.59
9,088.00	3.70	77.40	9,072.82	-18.47	164.67	164.77	7.04	7.02	20.85
9,135.00	9.10	82.90	9,119.51	-17.67	169.84	169.94	11.55	11.49	11.70
9,182.00	14.20	86.10	9,165.52	-16.82	179.28	179.38	10.93	10.85	6.81



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Well:	204H	North Reference:	Grid
Wellbore:	OH / Job 60018	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 297)	Database:	Compass 5000 GCR

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)
9,228.00	19.40	88.80	9,209.55	-16.28	192.56	192.65	11.43	11.30	5.87
9,275.00	26.00	92.10	9,252.88	-16.49	210.68	210.77	14.30	14.04	7.02
9,322.00	30.20	93.90	9,294.33	-17.67	232.78	232.88	9.12	8.94	3.83
9,369.00	33.30	92.20	9,334.30	-18.97	257.47	257.58	6.86	6.60	-3.62
9,416.00	35.90	91.90	9,372.98	-19.93	284.14	284.25	5.54	5.53	-0.64
9,463.00	39.00	91.60	9,410.29	-20.80	312.70	312.82	6.61	6.60	-0.64
9,510.00	41.40	89.80	9,446.19	-21.16	343.03	343.15	5.67	5.11	-3.83
9,557.00	43.70	88.20	9,480.81	-20.59	374.81	374.92	5.41	4.89	-3.40
9,603.00	46.50	86.80	9,513.28	-19.16	407.35	407.46	6.46	6.09	-3.04
9,650.00	50.50	87.50	9,544.41	-17.42	442.50	442.60	8.58	8.51	1.49
9,697.00	55.10	90.20	9,572.83	-16.69	479.92	480.01	10.80	9.79	5.74
9,744.00	59.70	90.70	9,598.14	-17.01	519.50	519.59	9.83	9.79	1.06
9,791.00	65.90	89.30	9,619.61	-16.99	561.28	561.37	13.45	13.19	-2.98
9,817.00	68.78	88.85	9,629.63	-16.61	585.27	585.35	11.18	11.06	-1.73
FPP Crossing: 9817' MD									
9,838.00	71.10	88.50	9,636.83	-16.15	604.99	605.07	11.18	11.07	-1.67
9,884.00	74.30	87.20	9,650.51	-14.50	648.87	648.94	7.46	6.96	-2.83
9,923.00	76.70	86.80	9,660.28	-12.52	686.57	686.63	6.23	6.15	-1.03
10,052.00	81.70	85.70	9,684.44	-4.23	812.97	812.98	3.97	3.88	-0.85
10,115.00	84.80	87.80	9,691.85	-0.68	875.42	875.41	5.93	4.92	3.33
10,209.00	88.00	88.00	9,697.75	2.75	969.16	969.13	3.41	3.40	0.21
10,304.00	88.30	90.40	9,700.82	4.08	1,064.10	1,064.06	2.54	0.32	2.53
10,398.00	88.40	90.70	9,703.52	3.18	1,158.05	1,158.02	0.34	0.11	0.32
10,492.00	87.90	90.60	9,706.56	2.11	1,252.00	1,251.97	0.54	-0.53	-0.11
10,586.00	87.10	89.80	9,710.66	1.78	1,345.91	1,345.88	1.20	-0.85	-0.85
10,680.00	88.90	88.40	9,713.94	3.26	1,439.83	1,439.79	2.43	1.91	-1.49
10,775.00	90.80	90.00	9,714.19	4.59	1,534.82	1,534.76	2.61	2.00	1.68
10,869.00	90.30	89.90	9,713.28	4.67	1,628.81	1,628.76	0.54	-0.53	-0.11
10,963.00	89.90	90.40	9,713.12	4.42	1,722.81	1,722.76	0.68	-0.43	0.53
11,057.00	89.30	89.80	9,713.78	4.26	1,816.81	1,816.75	0.90	-0.64	-0.64
11,151.00	88.30	88.50	9,715.75	5.65	1,910.77	1,910.71	1.74	-1.06	-1.38
11,245.00	90.10	89.10	9,717.06	7.62	2,004.74	2,004.66	2.02	1.91	0.64
11,339.00	90.00	88.30	9,716.98	9.75	2,098.71	2,098.62	0.86	-0.11	-0.85
11,433.00	91.40	87.90	9,715.83	12.87	2,192.65	2,192.54	1.55	1.49	-0.43
11,527.00	91.50	88.70	9,713.45	15.66	2,286.58	2,286.45	0.86	0.11	0.85
11,622.00	90.30	91.20	9,711.96	15.74	2,381.56	2,381.43	2.92	-1.26	2.63
11,716.00	87.90	91.20	9,713.43	13.77	2,475.52	2,475.40	2.55	-2.55	0.00
11,810.00	89.80	91.30	9,715.32	11.72	2,569.47	2,569.36	2.02	2.02	0.11
11,905.00	90.80	92.10	9,714.82	8.90	2,664.43	2,664.33	1.35	1.05	0.84
11,999.00	88.50	92.70	9,715.40	4.97	2,758.34	2,758.26	2.53	-2.45	0.64
12,094.00	91.30	93.30	9,715.56	-0.01	2,853.20	2,853.15	3.01	2.95	0.63
12,188.00	86.90	92.60	9,717.04	-4.84	2,947.04	2,947.02	4.74	-4.68	-0.74
12,219.00	84.60	92.40	9,719.33	-6.19	2,977.92	2,977.91	7.45	-7.42	-0.65
12,282.00	92.20	95.00	9,721.09	-10.25	3,040.71	3,040.72	12.75	12.06	4.13



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Survey Report



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Site:	Janie Conner 13-24S-28E RB	MD Reference:	RKB @ 3005.50usft (Patterson 297)
Well:	204H	North Reference:	Grid
Wellbore:	OH / Job 80018	Survey Calculation Method:	Minimum Curvature
Design:	Surveys (Patterson 297)	Database:	Compass 5000 GCR

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)
12,376.00	84.10	95.30	9,724.12	-18.68	3,134.21	3,134.26	8.62	-8.62	0.32
12,470.00	81.10	93.40	9,736.23	-25.75	3,227.14	3,227.24	3.77	-3.19	-2.02
12,565.00	81.90	90.50	9,750.28	-28.95	3,321.03	3,321.14	3.13	0.84	-3.05
12,659.00	86.20	87.60	9,760.02	-27.39	3,414.48	3,414.58	5.51	4.57	-3.09
12,753.00	90.50	87.50	9,762.73	-23.37	3,508.33	3,508.41	4.58	4.57	-0.11
12,847.00	88.30	85.90	9,763.71	-17.96	3,602.16	3,602.21	2.89	-2.34	-1.70
12,942.00	91.30	87.70	9,764.04	-12.66	3,697.00	3,697.01	3.68	3.16	1.89
13,036.00	87.40	82.00	9,765.11	-4.23	3,790.56	3,790.52	7.35	-4.15	-6.06
13,131.00	90.70	86.00	9,766.68	5.69	3,884.99	3,884.90	5.46	3.47	4.21
13,225.00	97.00	88.10	9,760.38	10.52	3,978.60	3,978.48	7.06	6.70	2.23
13,319.00	97.10	91.20	9,748.84	11.09	4,071.88	4,071.75	3.27	0.11	3.30
13,413.00	94.50	98.30	9,739.33	3.34	4,165.01	4,164.92	8.01	-2.77	7.55
13,507.00	89.80	98.30	9,735.80	-10.21	4,257.93	4,257.92	5.00	-5.00	0.00
13,602.00	84.40	94.80	9,740.61	-21.04	4,352.14	4,352.19	6.77	-5.68	-3.68
13,691.00	86.80	91.80	9,747.43	-26.14	4,440.71	4,440.79	4.31	2.70	-3.37
13,785.00	85.60	91.10	9,753.66	-28.52	4,534.47	4,534.56	1.48	-1.28	-0.74
13,879.00	88.70	90.50	9,758.34	-29.83	4,628.34	4,628.43	3.36	3.30	-0.64
13,973.00	90.70	90.40	9,758.83	-30.56	4,722.33	4,722.43	2.13	2.13	-0.11
14,067.00	90.40	90.00	9,757.93	-30.89	4,816.32	4,816.42	0.53	-0.32	-0.43
14,161.00	90.20	89.50	9,757.44	-30.48	4,910.32	4,910.41	0.57	-0.21	-0.53
14,256.00	88.50	89.20	9,758.51	-29.40	5,005.30	5,005.39	1.82	-1.79	-0.32
14,350.00	87.60	88.60	9,761.71	-27.60	5,099.23	5,099.31	1.15	-0.96	-0.64
14,444.00	86.90	88.10	9,766.22	-24.90	5,193.08	5,193.14	0.91	-0.74	-0.53
Final Phoenix MWD Survey - LPP Crossing: 14444' MD									
14,525.00	86.90	88.10	9,770.60	-22.22	5,273.92	5,273.96	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)	
8,807.09	8,791.99	-22.30	161.34	Tie-in to VES Gyros
8,830.00	8,814.88	-21.54	161.31	First Phoenix MWD Survey
9,817.00	9,629.63	-16.60	585.25	FPP Crossing: 9817' MD
14,444.00	9,766.22	-24.89	5,193.07	Final Phoenix MWD Survey
14,444.00	9,766.22	-24.89	5,193.07	LPP Crossing: 14444' MD
14,525.00	9,770.60	-22.21	5,273.90	Projection to TD

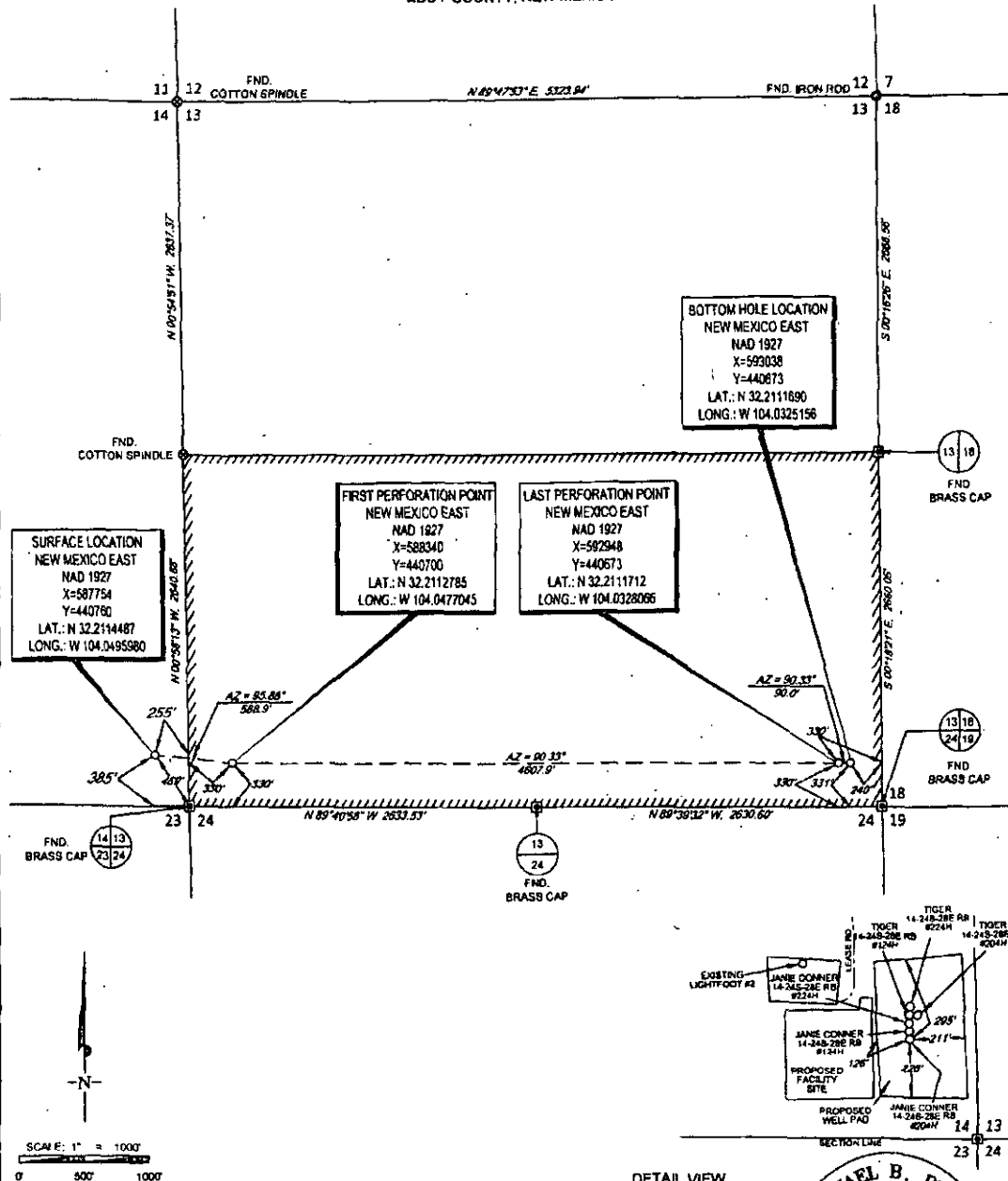
Checked By: _____ Approved By: _____ Date: _____

30-015-43317

820 9/1/2015



SECTION 14, TOWNSHIP 24-S, RANGE 28-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



SCALE: 1" = 1000'
0 500' 1000'

LEASE NAME & WELL NO.: JANIE CONNER 13-24S-28E RB #204H

SECTION 14 TWP 24-S RGE 28-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 385' FSL & 255' FEL

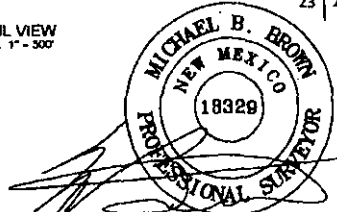
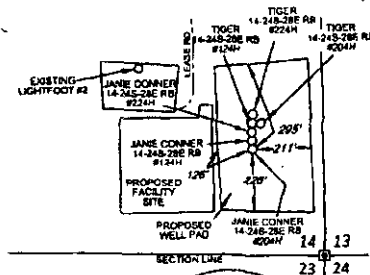
DISTANCE & DIRECTION

FROM INT. OF US-285 & DUARTE RD. GO EAST ON DUARTE RD.
±1.3 MILES, THENCE SOUTH (RIGHT) ON McDONALD RD. ±0.8
MILES, THENCE SOUTH (RIGHT) ON LEASE RD. ±0.1 MILES TO A
POINT ±450 FEET EAST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID
BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE OF THE
NORTH AMERICAN DATUM 1927, U.S. SURVEY FEET

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND
UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF
SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. 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.

DETAIL VIEW
SCALE: 1" = 300'



Michael Blake Brown, P.S. No. 18329
AUGUST 20, 2015



TOPOGRAPHIC
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