



State of Texas
County of Midland

I, Robert Ramirez, certify that; I am employed by Scientific Drilling International; that I did on the day(s) of 01/05/13 through 01/15/13 conduct or supervise the taking of a MWD survey from a depth of 625 feet to a depth of 17135 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Scientific Drilling International; that I am authorized and qualified to make this report; that this survey was conducted at the request of EOG Resources for the University 09B #1101H Well, API# 42-383-37999 in Reagan County, Texas; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Scientific Drilling International.


Field Technician



EOG Resources

Reagan County, TX (NAD27 TC)

University 09B

#1101H

OH

Survey: SDI MWD

SDI Standard Survey Report

07 February, 2013



Company:	EOG Resources	Local Co-ordinate Reference:	Well #1101H
Project:	Reagan County, TX (NAD27 TC)	TVD Reference:	KB @ 2655.00usft (H & P #434)
Site:	University 09B	MD Reference:	KB @ 2655.00usft (H & P #434)
Well:	#1101H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH - Job #320113-MPH-004	Database:	EDM-Regulatory

Project	Reagan County, TX (NAD27 TC)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Texas Central 4203		

Site	University 09B				
Site Position:		Northing:	589,099.00 usft	Latitude:	31° 16' 47.574 N
From:	Map	Easting:	1,592,024.00 usft	Longitude:	101° 38' 21.677 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	-0.67 °

Well	#1101H					
Well Position	+N/-S	0.00 usft	Northing:	589,099.00 usft	Latitude:	31° 16' 47.578 N
	+E/-W	0.00 usft	Easting:	1,592,064.00 usft	Longitude:	101° 38' 21.216 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	2,630.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2012	11/27/12			

Design	OH - Job #320113-MPH-004				
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	7.25

Survey Program	Date	02/07/13			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
125.00	525.00	VES Gyro (OH)	UNKNOWN	Unknown survey	
525.00	17,185.00	SDI MWD (OH)	SDI-MWD	MWD - Scientific Drilling	

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
525.00	0.45	85.77	524.99	-1.91	0.48	165.81	1.97
625.00	0.26	161.15	624.99	-2.09	0.95	155.66	2.30
811.00	0.53	160.36	810.99	-3.30	1.37	157.43	3.58
997.00	0.62	165.11	996.98	-5.09	1.92	159.31	5.44
1,185.00	0.35	156.67	1,184.97	-6.60	2.41	159.93	7.02
1,374.00	0.44	167.31	1,373.97	-7.84	2.80	160.35	8.32
1,563.00	0.53	160.80	1,562.96	-9.37	3.24	160.90	9.91
1,753.00	0.79	191.30	1,752.95	-11.48	3.28	164.07	11.94
1,942.00	0.53	172.40	1,941.93	-13.63	3.14	167.04	13.98
2,132.00	0.62	146.39	2,131.93	-15.35	3.82	166.02	15.82
2,321.00	1.06	123.63	2,320.91	-17.17	5.84	161.21	18.14

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Site:	University 09B	MD Reference:	KB @ 2655.00usft (H & P #434)
Well:	#1101H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH - Job #320113-MPH-004	Database:	EDM-Regulatory

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
2,511.00	1.06	131.98	2,510.87	-19.32	8.61	155.97	21.16	
2,700.00	1.32	128.02	2,699.83	-21.83	11.63	151.96	24.74	
2,890.00	1.14	128.55	2,889.79	-24.36	14.83	148.67	28.52	
3,079.00	1.32	111.32	3,078.75	-26.32	18.33	145.15	32.08	
3,268.00	1.23	134.17	3,267.70	-28.53	21.81	142.60	35.91	
3,458.00	1.49	124.50	3,457.65	-31.35	25.31	141.08	40.29	
3,647.00	1.93	135.67	3,646.56	-35.02	29.56	139.83	45.82	
3,836.00	2.20	115.45	3,835.44	-38.85	35.06	137.94	52.33	
4,025.00	1.76	121.96	4,024.33	-41.95	40.80	135.80	58.51	
4,214.00	1.23	110.62	4,213.26	-44.20	45.16	134.38	63.19	
4,403.00	1.14	107.98	4,402.22	-45.49	48.85	132.96	66.75	
4,593.00	0.70	74.67	4,592.20	-45.77	51.76	131.48	69.09	
4,782.00	1.14	86.45	4,781.18	-45.35	54.75	129.63	71.09	
4,972.00	1.06	83.37	4,971.14	-45.03	58.38	127.64	73.73	
5,161.00	0.70	75.46	5,160.12	-44.54	61.24	126.03	75.72	
5,350.00	0.62	124.68	5,349.11	-44.83	63.20	125.35	77.48	
5,539.00	0.53	100.69	5,538.10	-45.57	64.90	125.08	79.30	
5,728.00	0.44	202.11	5,727.09	-46.41	65.48	125.32	80.26	
5,917.00	0.26	194.38	5,916.09	-47.49	65.10	126.11	80.59	
6,107.00	0.44	143.75	6,106.09	-48.50	65.43	126.55	81.44	
6,296.00	0.44	91.81	6,295.08	-49.11	66.58	126.41	82.73	
6,486.00	0.62	107.81	6,485.07	-49.44	68.29	125.91	84.31	
6,675.00	0.26	100.77	6,674.07	-49.84	69.68	125.57	85.67	
6,865.00	0.62	72.74	6,864.06	-49.61	71.09	124.91	86.69	
7,054.00	0.62	109.65	7,053.05	-49.65	73.03	124.21	88.31	
7,243.00	0.79	104.38	7,242.04	-50.32	75.25	123.77	90.53	
7,395.00	0.97	96.03	7,394.02	-50.72	77.55	123.18	92.66	
7,476.00	3.43	42.24	7,474.96	-48.99	79.86	121.53	93.69	
7,508.00	6.42	36.61	7,506.84	-46.85	81.57	119.87	94.07	
7,539.00	10.20	36.09	7,537.51	-43.24	84.22	117.18	94.67	
7,571.00	13.63	35.30	7,568.81	-37.87	88.07	113.27	95.87	
7,602.00	17.15	39.43	7,598.70	-31.36	93.09	108.62	98.23	
7,634.00	20.93	40.48	7,628.94	-23.36	99.80	103.18	102.49	
7,665.00	24.71	42.33	7,657.51	-14.36	107.76	97.59	108.71	
7,697.00	28.23	43.56	7,686.15	-3.92	117.48	91.91	117.54	
7,729.00	32.18	46.55	7,713.80	7.43	128.89	86.70	129.10	
7,760.00	36.05	47.51	7,739.46	19.27	141.61	82.25	142.92	
7,792.00	39.83	49.09	7,764.70	32.34	156.30	78.31	159.62	
7,823.00	44.23	48.39	7,787.72	46.03	171.90	75.01	177.96	
7,855.00	48.19	48.30	7,809.86	61.38	189.15	72.02	198.86	
7,886.00	51.44	48.92	7,829.86	77.04	206.92	69.58	220.80	
7,918.00	52.94	49.97	7,849.47	93.47	226.13	67.54	244.69	
7,949.00	55.66	50.06	7,867.56	109.65	245.42	65.93	268.80	
7,981.00	57.24	50.50	7,885.25	126.69	265.93	64.53	294.57	

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Well:	#1101H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH - Job #320113-MPH-004	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
8,012.00	59.79	50.15	7,901.44	143.57	286.28	63.37	320.26
8,044.00	56.54	47.51	7,918.32	161.45	306.74	62.24	346.64
8,075.00	56.28	45.75	7,935.47	179.18	325.51	61.17	371.57
8,107.00	60.85	47.51	7,952.15	197.92	345.36	60.18	398.05
8,139.00	65.77	48.92	7,966.52	216.96	366.68	59.39	426.05
8,170.00	70.79	50.85	7,977.99	235.50	388.70	58.79	454.47
8,202.00	75.89	51.64	7,987.16	254.68	412.60	58.31	484.87
8,233.00	81.69	52.08	7,993.19	273.45	436.51	57.93	515.09
8,314.00	85.74	57.53	8,002.06	319.82	502.27	57.51	595.45
8,409.00	87.85	55.42	8,007.37	372.20	581.33	57.37	690.28
8,503.00	91.71	47.95	8,007.73	430.42	655.02	56.69	783.78
8,598.00	88.20	36.88	8,007.81	500.44	718.99	55.16	876.00
8,693.00	88.55	32.04	8,010.50	578.72	772.70	53.17	965.39
8,787.00	90.92	27.56	8,010.94	660.26	819.40	51.14	1,052.31
8,882.00	92.24	21.50	8,008.32	746.61	858.81	49.00	1,137.97
8,977.00	89.96	15.87	8,006.49	836.54	889.22	46.75	1,220.87
9,071.00	89.96	11.74	8,006.56	927.81	911.65	44.50	1,300.74
9,166.00	90.13	6.73	8,006.48	1,021.55	926.89	42.22	1,379.38
9,261.00	92.95	3.30	8,003.93	1,116.12	935.19	39.96	1,456.13
9,355.00	94.53	2.78	7,997.80	1,209.79	940.17	37.85	1,532.16
9,450.00	93.56	3.13	7,991.10	1,304.43	945.05	35.92	1,610.79
9,544.00	89.34	2.95	7,988.72	1,398.24	950.03	34.19	1,690.46
9,639.00	89.25	1.90	7,989.89	1,493.15	954.05	32.58	1,771.92
9,734.00	90.31	5.06	7,990.25	1,587.96	959.82	31.15	1,855.50
9,829.00	91.01	4.45	7,989.16	1,682.62	967.69	29.90	1,941.05
9,922.00	89.78	4.36	7,988.52	1,775.35	974.84	28.77	2,025.38
10,016.00	89.34	2.42	7,989.24	1,869.17	980.39	27.68	2,110.68
10,107.00	90.31	6.99	7,989.52	1,959.84	987.86	26.75	2,194.73
10,200.00	90.92	5.15	7,988.52	2,052.31	997.69	25.93	2,281.96
10,293.00	90.13	2.16	7,987.66	2,145.11	1,003.62	25.07	2,368.28
10,385.00	89.96	2.34	7,987.59	2,237.03	1,007.23	24.24	2,453.33
10,477.00	90.66	358.56	7,987.09	2,329.01	1,007.95	23.40	2,537.77
10,571.00	89.52	357.68	7,986.95	2,422.96	1,004.87	22.53	2,623.07
10,665.00	90.22	355.48	7,987.16	2,516.79	999.26	21.65	2,707.90
10,758.00	90.22	355.13	7,986.80	2,609.47	991.65	20.81	2,791.54
10,850.00	90.04	356.54	7,986.59	2,701.23	984.97	20.03	2,875.20
10,945.00	89.87	358.65	7,986.67	2,796.14	980.98	19.33	2,963.23
11,040.00	91.28	5.06	7,985.71	2,891.03	984.05	18.80	3,053.92
11,134.00	88.90	3.22	7,985.57	2,984.78	990.84	18.36	3,144.94
11,229.00	92.33	4.71	7,984.55	3,079.53	997.41	17.95	3,237.02
11,324.00	95.23	5.76	7,978.29	3,173.91	1,006.05	17.59	3,329.54
11,418.00	94.18	5.50	7,970.57	3,267.14	1,015.24	17.26	3,421.25
11,513.00	94.97	5.32	7,963.00	3,361.42	1,024.17	16.95	3,513.98
11,608.00	92.24	4.53	7,957.02	3,455.87	1,032.31	16.63	3,606.76
11,702.00	93.30	4.27	7,952.48	3,549.48	1,039.51	16.32	3,698.57

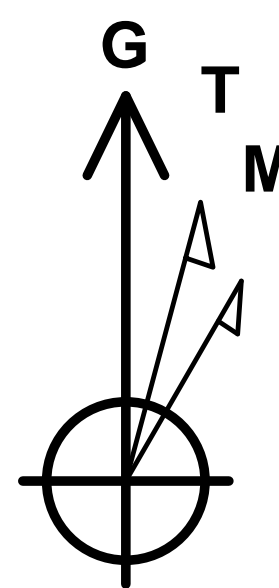
Company:	EOG Resources	Local Co-ordinate Reference:	Well #1101H
Project:	Reagan County, TX (NAD27 TC)	TVD Reference:	KB @ 2655.00usft (H & P #434)
Site:	University 09B	MD Reference:	KB @ 2655.00usft (H & P #434)
Well:	#1101H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH - Job #320113-MPH-004	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
11,797.00	91.19	4.80	7,948.76	3,644.11	1,047.02	16.03	3,791.54
11,891.00	87.23	358.73	7,950.06	3,737.99	1,049.91	15.69	3,882.64
11,986.00	87.32	358.47	7,954.57	3,832.85	1,047.60	15.29	3,973.44
12,080.00	88.64	357.33	7,957.89	3,926.73	1,044.15	14.89	4,063.18
12,175.00	89.78	359.17	7,959.20	4,021.67	1,041.25	14.52	4,154.28
12,269.00	91.54	359.44	7,958.11	4,115.65	1,040.11	14.18	4,245.05
12,364.00	92.33	359.88	7,954.91	4,210.60	1,039.55	13.87	4,337.02
12,458.00	92.07	0.58	7,951.30	4,304.53	1,039.93	13.58	4,428.36
12,553.00	88.20	358.65	7,951.07	4,399.50	1,039.29	13.29	4,520.59
12,647.00	88.46	359.88	7,953.81	4,493.45	1,038.08	13.01	4,611.80
12,742.00	88.64	0.23	7,956.22	4,588.42	1,038.17	12.75	4,704.40
12,837.00	90.92	3.22	7,956.58	4,683.36	1,041.03	12.53	4,797.67
12,931.00	90.48	1.28	7,955.43	4,777.28	1,044.72	12.34	4,890.17
13,026.00	91.01	1.19	7,954.20	4,872.25	1,046.77	12.13	4,983.42
13,121.00	91.63	1.11	7,952.01	4,967.20	1,048.68	11.92	5,076.69
13,215.00	89.34	357.94	7,951.21	5,061.18	1,047.90	11.70	5,168.52
13,310.00	88.55	358.03	7,952.96	5,156.10	1,044.56	11.45	5,260.84
13,404.00	90.75	359.17	7,953.54	5,250.06	1,042.26	11.23	5,352.52
13,499.00	91.80	1.19	7,951.42	5,345.03	1,042.56	11.04	5,445.76
13,593.00	88.55	0.68	7,951.14	5,439.01	1,044.09	10.87	5,538.31
13,688.00	90.48	2.16	7,951.94	5,533.97	1,046.44	10.71	5,632.04
13,783.00	89.87	358.12	7,951.65	5,628.95	1,046.67	10.53	5,725.43
13,877.00	89.43	357.06	7,952.23	5,722.86	1,042.72	10.33	5,817.08
13,972.00	89.96	356.89	7,952.73	5,817.73	1,037.70	10.11	5,909.55
14,067.00	89.34	352.49	7,953.31	5,912.29	1,028.91	9.87	6,001.16
14,161.00	90.48	353.11	7,953.46	6,005.55	1,017.13	9.61	6,091.07
14,256.00	89.60	355.31	7,953.39	6,100.06	1,007.55	9.38	6,182.71
14,350.00	89.69	359.44	7,953.98	6,193.94	1,003.25	9.20	6,274.66
14,445.00	90.92	0.31	7,953.47	6,288.93	1,003.04	9.06	6,368.42
14,540.00	89.87	356.36	7,952.81	6,383.87	1,000.28	8.91	6,461.76
14,634.00	89.43	358.47	7,953.39	6,477.77	996.04	8.74	6,553.90
14,729.00	90.84	358.91	7,953.16	6,572.74	993.87	8.60	6,647.46
14,824.00	90.04	354.60	7,952.44	6,667.56	988.49	8.43	6,740.44
14,918.00	89.43	356.54	7,952.87	6,761.27	981.23	8.26	6,832.10
15,013.00	90.84	356.71	7,952.65	6,856.11	975.64	8.10	6,925.18
15,107.00	90.57	1.19	7,951.49	6,950.06	973.92	7.98	7,017.97
15,202.00	89.87	0.14	7,951.12	7,045.05	975.02	7.88	7,112.20
15,296.00	90.31	0.84	7,950.98	7,139.05	975.82	7.78	7,205.43
15,391.00	90.48	1.98	7,950.32	7,234.01	978.16	7.70	7,299.85
15,486.00	89.60	1.11	7,950.26	7,328.98	980.72	7.62	7,394.30
15,580.00	89.34	3.57	7,951.12	7,422.89	984.56	7.56	7,487.90
15,675.00	89.08	5.94	7,952.43	7,517.55	992.43	7.52	7,582.77
15,770.00	90.31	6.47	7,952.94	7,611.99	1,002.70	7.50	7,677.74
15,864.00	90.66	5.06	7,952.14	7,705.50	1,012.14	7.48	7,771.69

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Site:	University 09B	MD Reference:	KB @ 2655.00usft (H & P #434)
Well:	#1101H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH - Job #320113-MPH-004	Database:	EDM-Regulatory

Survey							
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15,959.00	89.78	2.60	7,951.78	7,800.28	1,018.49	7.44	7,866.49
16,053.00	90.66	1.55	7,951.42	7,894.22	1,021.89	7.38	7,960.08
16,148.00	93.65	5.15	7,947.85	7,988.96	1,027.43	7.33	8,054.76
16,242.00	94.88	4.80	7,940.86	8,082.35	1,035.56	7.30	8,148.42
16,337.00	94.53	6.20	7,933.06	8,176.59	1,044.64	7.28	8,243.05
16,432.00	93.39	3.92	7,926.50	8,270.98	1,053.00	7.26	8,337.74
16,526.00	91.10	2.25	7,922.82	8,364.77	1,058.05	7.21	8,431.42
16,620.00	91.54	2.78	7,920.65	8,458.65	1,062.17	7.16	8,525.08
16,715.00	91.28	4.53	7,918.32	8,553.43	1,068.23	7.12	8,619.87
16,810.00	88.90	4.53	7,918.17	8,648.12	1,075.73	7.09	8,714.77
16,904.00	90.66	4.01	7,918.53	8,741.86	1,082.73	7.06	8,808.65
16,999.00	89.69	4.97	7,918.24	8,836.56	1,090.16	7.03	8,903.55
17,093.00	89.87	6.99	7,918.60	8,930.04	1,099.96	7.02	8,997.53
17,135.00	89.69	7.87	7,918.76	8,971.69	1,105.39	7.02	9,039.53
Last MWD Survey - PBHL-Univ 09B #1101H							
17,185.00	89.69	7.87	7,919.03	9,021.22	1,112.23	7.03	9,089.53
Bit Projection							

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
17,135.00	7,918.76	8,971.69	1,105.39	Last MWD Survey
17,185.00	7,919.03	8,971.69	1,105.39	Bit Projection



Azimuths to Grid North
True North: 0.67°
Magnetic North: 7.16°

Magnetic Field
Strength: 48096.2snT
Dip Angle: 59.55°
Date: 11/27/2012
Model: BGGM2012

To convert Magnetic North to Grid, Add 7.17°
To convert True North to Grid, Add 0.67°

WELL DETAILS:

		Ground Level: 2630.00			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	589099.00	1592064.00	31.280	-101.639

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
7445.00	0.97	104.38	7444.00	-50.09	78.75	0.00	0.00	-39.76	
7483.00	0.97	104.38	7481.99	-50.25	79.38	0.00	0.00	-39.84	
8224.65	89.50	45.54	7955.21	276.39	421.93	12.00	-58.85	327.42	
9704.19	89.50	1.15	7968.79	1601.02	993.67	3.00	-90.20	1713.62	
17081.94	89.50	1.15	8033.00	8977.00	1142.00	0.00	0.00	9049.35	PBHL

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL	8033.00	8977.00	1142.00	598076.00	1593206.00

SITE DETAILS: University 09B
Site Centre Northing: 589099.00
Easting: 1592024.00

Positional Uncertainty: 0.00
Convergence: -0.67
Local North: Grid

PROJECT DETAILS: Reagan County, TX (NAD27 TC)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: Texas Central 4203

System Datum: Mean Sea Level

Map System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone Name: Texas Central 4203

Local Origin: Well #1101H, Grid North

Latitude: 31.280
Longitude: -101.639

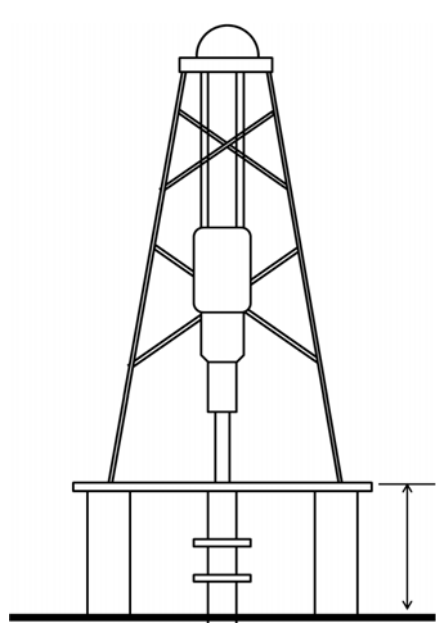
Grid East: 1592064.00
Grid North: 589099.00
Scale Factor: 1.000

Geomagnetic Model: BGGM2012
Sample Date: 27-Nov-12
Magnetic Declination: 6.49°
Dip Angle from Horizontal: 59.55°
Magnetic Field Strength: 48096

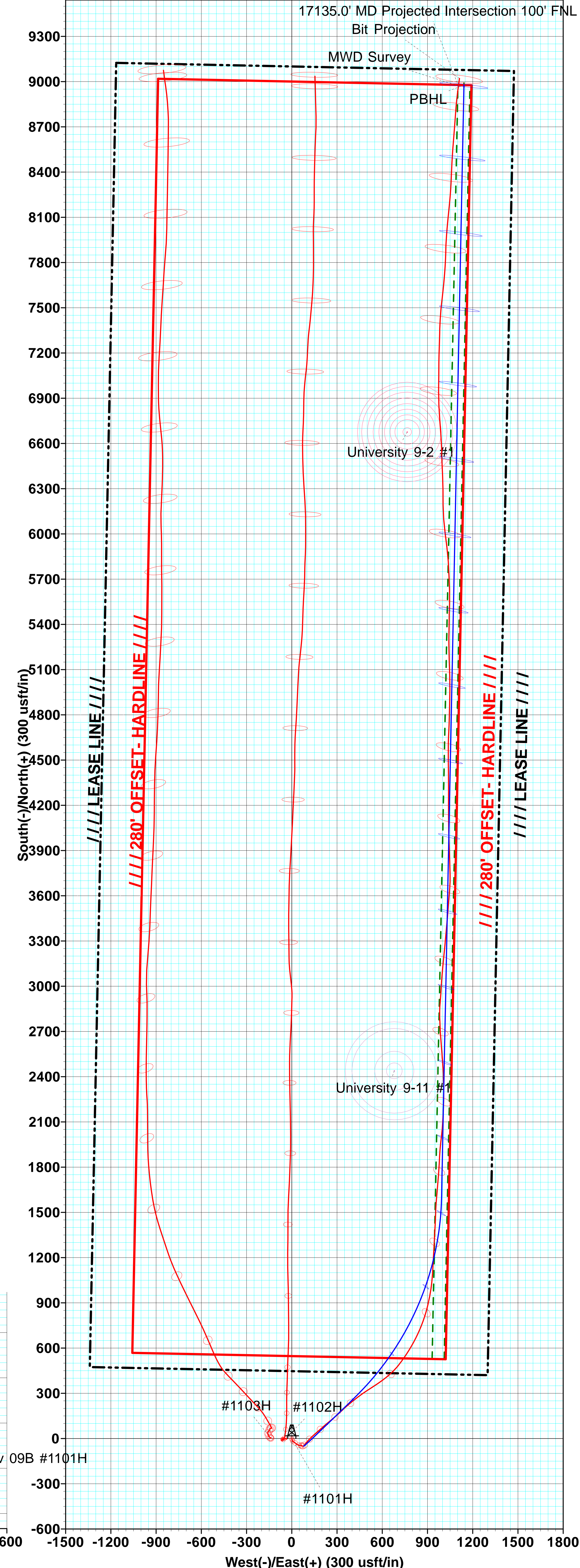
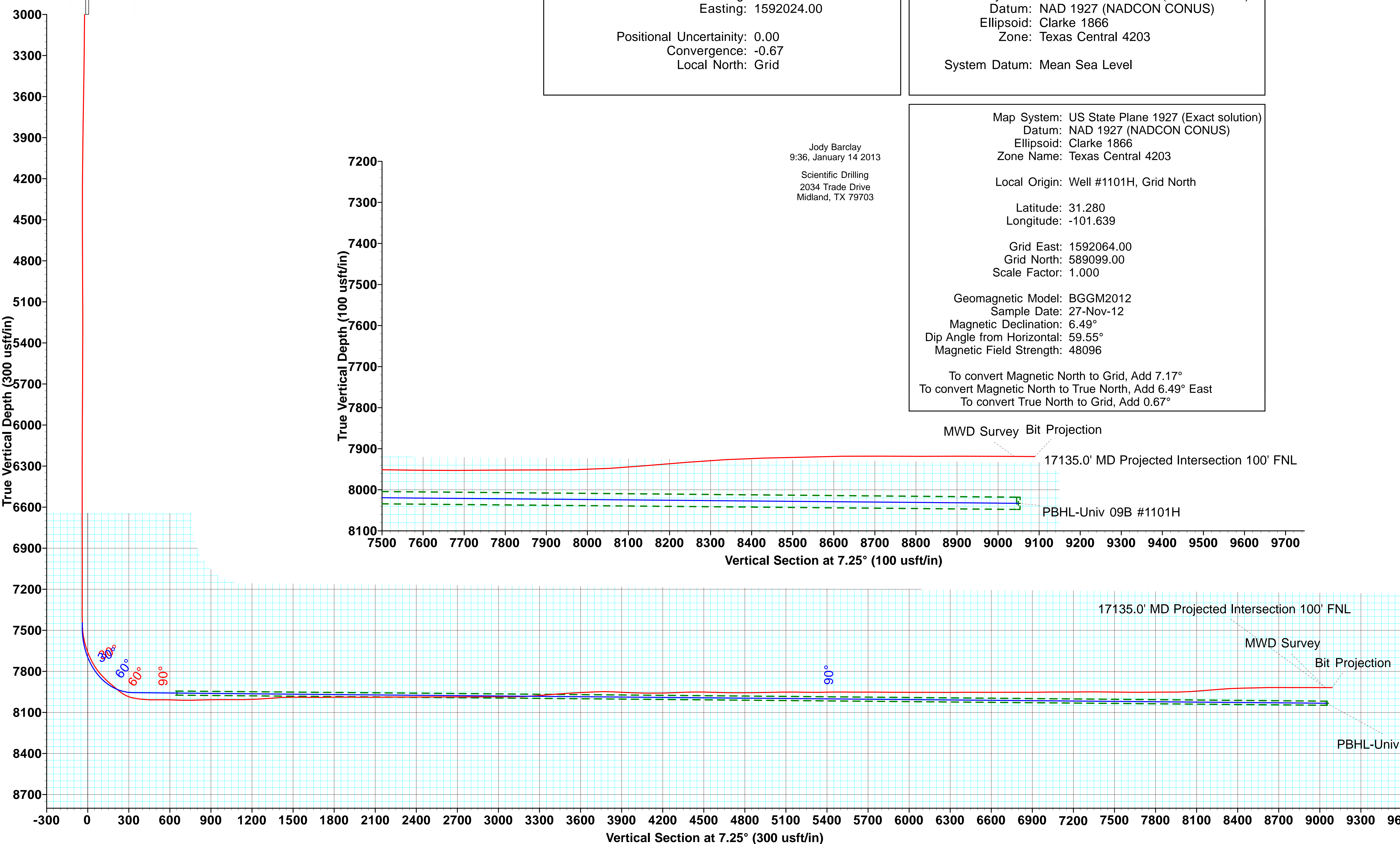
To convert Magnetic North to Grid, Add 7.17°
To convert Magnetic North to True North, Add 6.49° East
To convert True North to Grid, Add 0.67°

Jody Barclay
9:36, January 14 2013
Scientific Drilling
2034 Trade Drive
Midland, TX 79703

University 09B #1101H
Reagan County, TX (NAD27 TC)
Northing: (Y) 589099.00
Easting: (X) 1592064.00
Plan #2



KB @ 2655.00usft (H & P #434)
Ground Level: 2630.00



Geog resources, inc.

LEASE NAME & WELL NO.:

UNIVERSITY 09B #1101H

TOPOGRAPHY & VEGETATION:

NATURAL MESQUITE PASTURE

NEAREST TOWN IN COUNTY:

±4.8 MILES NORTHEAST OF TEXON, TEXAS

DESCRIPTION:

**SHL & FTP: SECTION 11, BLOCK 9, UNIVERSITY LAND
THL: SECTION 22, BLOCK 9, UNIVERSITY LAND
REAGAN COUNTY, TEXAS**

This location has been very carefully staked on the ground according to the best official survey records, maps, and other data available to us. This plat does not in any way represent a "Boundary Survey", and does not comply with correct T.B.P.L.S. Minimum Standards of Procedures for Boundary Surveys.

CERTIFICATION:



William J. Keating
Texas Reg. No. 5041

I, William J. Keating, a Registered Professional Land Surveyor, and an authorized agent of Topographic Land Surveyors, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein. This plat is for Texas Railroad Commission permitting only.

TOPOGRAPHIC
SURVEYING • MAPPING • GIS • GPS

2903 N. BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 (800) 767-1653 • FAX (432) 682-1743



Surface Hole Location:
2218' FSL & 1290' FEL
SHL Ground Elevation: 2630'
X = 1592064 Y = 589099
LAT.: N 31.2798828 LONG.: W 101.6392263
NAD 83 TX-C ZONE
X = 1888532 Y = 10431676
LAT.: N 31.2800331 LONG.: W 101.6396248

First Take Point:
100 FSL & 1232' FEL
X = 1592134 Y = 589644
LAT.: N 31.2813847 LONG.: W 101.6390247
NAD 83 TX-C ZONE
X = 1888602 Y = 10432221
LAT.: N 31.2815349 LONG.: W 101.6394233

Terminus Hole Location:
557' FSL & 330' FEL (SEC. 22)
X = 1593206 Y = 598076
LAT.: N 31.3045993 LONG.: W 101.6359082
NAD 83 TX-C ZONE
X = 1889674 Y = 10440653
LAT.: N 31.3047488 LONG.: W 101.6363067

ORIGINAL DOC. SIZE: 8.5"x14"

SCALE: 1" = 2000'
DATE: JULY 24, 2012
COGO: 519-89429
LO_UNIVERSITY9B_1101H_ALT_REV
DRAWN BY: ACP; 7-26-12

REV#	BY	DATE	REVISED
1	ACP	7-30-12	

LEGEND:
 —X— Fence
 —E— Powerline
 —W— Water Line
 —||— Pipeline
 == == == Lease Road

