

Results of Directional Survey

API number:	30-025-40189		
OGRID:		Operator:	EOG RESOURCES INC
		Property:	DIMOND 8 FEDERAL COM # 4H

surface	ULSTR:	D	08	T 25S	R 34E
				330 FNL	430 FWL

BH Loc	ULSTR:	M	08	T 25S	R 34E
14230	MD	9473.2	TVD	238 FSL	462 FWL
				5041 FNL	

Top Perf/OH	ULSTR:	D	08	T 25S	R 34E
9800	MD	9498.6	TVD	613 FNL	422 FWL

Bot Perf/OH	ULSTR:	M	08	T 25S	R 34E
14120	MD	9477.6	TVD	349 FSL	462 FWL
				4931 FNL	

	MD	N/S	E/W	VD
	9767	-250.16	-7.31	9495.47
TOP PERFS/OH	9800	-283.00	-8.22	9498.58
	9801	-283.99	-8.25	9498.67
	14102	-4582.98	32.16	9478.24
BOT PERFS/OH	14120	-4600.97	32.19	9477.60
	14174	-4654.93	32.29	9475.66

NEXT TO LAST	14174	-4654.93	32.29	9475.66
LAST READING	14230	-4710.88	32.19	9473.22
TD	14230	-4710.88	32.19	9473.22

Surface Location	330	FN	430	FW
Projected BHL	5041	FN	462	FW
Location of				
Top Perfs/OH	613	FN	422	FW
Bottom Perfs/OH	4931	FN	462	FW

SUMMARY of Subsurface Locations

Surface Location	D-08-25S-34E	330	FN	430	FW	Vert. Depth
Top Perfs/OH	D-08-25S-34E	613	FN	422	FW	9498.58
Bottom Perfs/OH	M-08-25S-34E	4931	FN	462	FW	9477.60
Projected TD	M-08-25S-34E	5041	FN	462	FW	9473.22

EOG Resources

Lea County, NM (Nad27)
Diamond 8 Federal
Diamond 8 Fed Com 4H
Wellbore #1

Design: Wellbore #1

EOG Resources

05 August, 2012

SUR: D-08-25s-34e, 330/N & 430/W
BHL: M-08-25s-34e, 5041/N & 462/W
API # 30-025-40189



Phoenix Technology Services

EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Diamond 8 Fed Com 4H
Project:	Lea County, NM (Nad27)	TVD Reference:	WELL @ 3428.80usft (Original Well Elev + 30' KB)
Site:	Diamond 8 Federal	MD Reference:	WELL @ 3428.80usft (Original Well Elev + 30' KB)
Well:	Diamond 8 Fed Com 4H	North Reference:	Grd
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	GCR DB v5000

Project	Lea County, NM (Nad27)		
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	Diamond 8 Federal		
Site Position:		Northing:	419,755.70 usft
From:	Map	Easting:	758,329.50 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 9' 4.5805 N
		Longitude:	103° 29' 55.0957 W
		Grid Convergence:	0.44 °

Well	Diamond 8 Fed Com 4H		
Well Position	+N/-S	0.00 usft	Northing: 419,755.70 usft
	+E/-W	0.00 usft	Easting: 758,329.50 usft
Position Uncertainty	0.00 usft		Wellhead Elevation: usft
			Latitude: 32° 9' 4.5805 N
			Longitude: 103° 29' 55.0957 W
			Ground Level: 3,398.80 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
	IGRF2010_14	07/12/12	7.41
			Dip Angle
			60.11
			Field Strength
			48,473 nT

Design	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			179.56

Phoenix Technology Services
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Site: Diamond 8 Federal
Well: Diamond 8 Fed Com 4H
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well Diamond 8 Fed Com 4H
TVD Reference: WELL @ 3428 80usft (Original Well Elev + 30' KB)
MD Reference: WELL @ 3428 80usft (Original Well Elev + 30' KB)
North Reference: Gnd
Survey Calculation Method: Minimum Curvature
Database: GCR DB v5000

Survey Program		Date	08/05/12		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100 00	1,165 00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
1,291 00	8,664 00	Phoenix MWD Survey (Wellbore #1)	MWD	MWD - Standard	
8,664 00	14,230.00	Phoenix ST MWD Surveys (Wellbore #1)	MWD	MWD - Standard	

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0 00	0 00	0 00	-3,428 80	0 00	0 00	0 00	0 00	0 00	419,755 70	758,329 50
100 00	0 38	124 29	-3,328 80	100 00	-0 19	0 27	0 19	0 38	419,755 51	758,329 77
200 00	0 44	122 62	-3,228 80	200 00	-0 58	0 87	0 59	0 06	419,755 12	758,330.37
300 00	0 37	122 62	-3,128.81	299 99	-0 96	1 47	0 97	0 07	419,754 74	758,330 97
400 00	0 67	136 31	-3,028 81	399 99	-1 56	2 14	1 57	0 32	419,754 14	758,331 64
500 00	0 66	135 90	-2,928 82	499 98	-2 39	2 95	2 42	0 01	419,753 31	758,332.45
600 00	0 71	146.04	-2,828 82	599 98	-3 32	3 69	3 35	0 13	419,752 38	758,333 19
700 00	0 76	153 93	-2,728 83	699 97	-4 43	4.33	4 47	0 11	419,751 27	758,333 83
800 00	0 68	154 69	-2,628 84	799 96	-5 56	4 88	5 60	0 08	419,750 14	758,334 38
900 00	0 95	162 86	-2,528 85	899 95	-6 89	5 37	6 93	0 29	419,748.81	758,334 87
1,000 00	0 97	162 89	-2,428 86	999 94	-8.49	5 87	8 54	0 02	419,747 21	758,335 37
1,100.00	0 65	154 94	-2,328 87	1,099 93	-9.82	6 36	9 87	0 34	419,745 88	758,335 86
1,165 00	0 35	139 16	-2,263 88	1,164 92	-10.30	6 64	10 35	0 50	419,745 40	758,336 14
Last Gyro Survey										
1,291 00	0 60	187 80	-2,137 88	1,290 92	-11 25	6 81	11 30	0 36	419,744 45	758,336 31
First Phoenix MWD Survey										
1,475.00	1 00	211 00	-1,953 90	1,474 90	-13 58	5.85	13 62	0 28	419,742 12	758,335 35
1,662 00	1 60	192 20	-1,766 95	1,661 85	-17 53	4 46	17.56	0 39	419,738.17	758,333.96
1,852 00	1 10	266 70	-1,576 99	1,851 81	-20 22	2.07	20.24	0 89	419,735 48	758,331 57
2,042 00	1 40	277 60	-1,387 03	2,041 77	-20 02	-2 05	20 01	0 20	419,735.68	758,327.45
2,232.00	0 50	352 60	-1,197 06	2,231 74	-18 89	-4 45	18 86	0 72	419,736 81	758,325 05

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Well:	Diamond 8 Fed Com 4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	GCR DB v5000

Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
2,422.00	0.30	67.90	-1,007.06	2,421.74	-17.88	-4.10	17.85	0.27	419,737.82	758,325.40	
2,612.00	1.10	91.90	-817.08	2,611.72	-17.76	-1.82	17.74	0.44	419,737.94	758,327.68	
2,802.00	1.50	59.20	-627.12	2,801.68	-16.54	2.14	16.56	0.43	419,739.16	758,331.64	
2,992.00	1.00	16.10	-437.16	2,991.64	-13.68	4.74	13.71	0.54	419,742.02	758,334.24	
3,181.00	1.40	357.20	-248.20	3,180.60	-9.79	5.08	9.83	0.30	419,745.91	758,334.58	
3,371.00	1.20	10.80	-58.25	3,370.55	-5.52	5.34	5.56	0.19	419,750.18	758,334.84	
3,560.00	2.00	42.30	130.67	3,559.47	-1.13	7.93	1.19	0.61	419,754.57	758,337.43	
3,750.00	0.60	323.80	320.63	3,749.43	2.12	9.58	-2.05	1.04	419,757.82	758,339.08	
3,940.00	1.30	256.70	510.61	3,939.41	2.43	6.89	-2.38	0.63	419,758.13	758,336.39	
4,129.00	0.20	208.80	699.59	4,128.39	1.65	4.65	-1.61	0.62	419,757.35	758,334.15	
4,318.00	0.60	163.30	888.58	4,317.38	0.41	4.77	-0.37	0.25	419,756.11	758,334.27	
4,509.00	1.50	157.60	1,079.55	4,508.35	-2.86	6.01	2.90	0.47	419,752.84	758,335.51	
4,699.00	1.30	97.80	1,269.50	4,698.30	-5.45	9.09	5.52	0.74	419,750.25	758,338.59	
4,889.00	1.80	99.40	1,459.43	4,888.23	-6.23	14.17	6.34	0.26	419,749.47	758,343.67	
5,079.00	0.60	97.00	1,649.39	5,078.19	-6.84	18.11	6.98	0.63	419,748.86	758,347.61	
5,120.00	0.40	61.40	1,690.39	5,119.19	-6.80	18.44	6.94	0.88	419,748.90	758,347.94	
5,250.00	1.10	49.20	1,820.37	5,249.17	-5.76	19.79	5.92	0.55	419,749.94	758,349.29	
5,439.00	3.40	2.40	2,009.23	5,438.03	1.02	21.40	-0.86	1.46	419,756.72	758,350.90	
5,628.00	6.60	0.90	2,197.48	5,626.28	17.49	21.80	-17.32	1.69	419,773.19	758,351.30	
5,817.00	4.40	354.40	2,385.60	5,814.40	35.57	21.26	-35.40	1.21	419,791.27	758,350.76	
6,008.00	6.40	343.50	2,575.75	6,004.55	53.07	17.52	-52.93	1.17	419,808.77	758,347.02	
6,198.00	6.60	337.70	2,764.53	6,193.33	73.32	10.37	-73.24	0.36	419,829.02	758,339.87	
6,387.00	6.30	344.10	2,952.34	6,381.14	93.34	3.41	-93.32	0.41	419,849.04	758,332.91	
6,575.00	6.30	344.60	3,139.20	6,568.00	113.21	-2.15	-113.22	0.03	419,868.91	758,327.35	
6,765.00	5.70	353.70	3,328.17	6,756.97	132.64	-5.96	-132.68	0.59	419,888.34	758,323.54	
6,955.00	5.60	358.30	3,517.24	6,946.04	151.28	-7.27	-151.34	0.24	419,906.98	758,322.23	
7,145.00	5.30	2.60	3,706.39	7,135.19	169.32	-7.14	-169.37	0.27	419,925.02	758,322.36	

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Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well Diamond 8 Fed Com 4H
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Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
7,335.00	4 70	8 30	3,895.66	7,324.46	185.79	-5.62	-185.82	0.41	419,941.49	758,323.88
7,525.00	3 60	9 00	4,085.16	7,513.96	199.38	-3.57	-199.40	0.58	419,955.08	758,325.93
7,715.00	4 40	6 70	4,274.70	7,703.50	212.51	-1.78	-212.52	0.43	419,968.21	758,327.72
7,905.00	3 50	5 70	4,464.24	7,893.04	225.52	-0.36	-225.52	0.48	419,981.22	758,329.14
8,095.00	4 40	343.00	4,653.80	8,082.60	238.26	-1.91	-238.27	0.94	419,993.96	758,327.59
8,284.00	3 60	341.40	4,842.34	8,271.14	250.82	-5.92	-250.86	0.43	420,006.52	758,323.58
8,484.00	2 60	334.60	5,042.05	8,470.85	260.87	-9.87	-260.94	0.53	420,016.57	758,319.63
8,664.00	1 80	327.30	5,221.91	8,650.71	266.94	-13.15	-267.03	0.47	420,022.64	758,316.35
ST Tie On Survey										
8,753.00	1 60	330.60	5,310.87	8,739.67	269.19	-14.52	-269.30	0.25	420,024.89	758,314.98
First ST Phoenix MWD Survey										
8,817.00	0 70	322.60	5,374.86	8,803.66	270.28	-15.19	-270.39	1.43	420,025.98	758,314.31
8,848.00	0 90	183.00	5,405.86	8,834.66	270.19	-15.32	-270.30	4.85	420,025.89	758,314.18
8,880.00	3 60	168.70	5,437.83	8,866.63	268.95	-15.14	-269.06	8.55	420,024.65	758,314.36
8,912.00	7 10	162.00	5,469.69	8,898.49	266.09	-14.33	-266.19	11.09	420,021.79	758,315.17
8,944.00	10 90	164.80	5,501.29	8,930.09	261.29	-12.92	-261.38	11.95	420,016.99	758,316.58
8,975.00	15 30	164.20	5,531.47	8,960.27	254.52	-11.04	-254.60	14.20	420,010.22	758,318.46
9,007.00	18 30	164.40	5,562.10	8,990.90	245.61	-8.54	-245.67	9.38	420,001.31	758,320.96
9,038.00	19 30	164.40	5,591.45	9,020.25	235.99	-5.85	-236.03	3.23	419,991.69	758,323.65
9,070.00	19 70	166.40	5,621.61	9,050.41	225.66	-3.16	-225.67	2.43	419,981.36	758,326.34
9,102.00	19.80	170.10	5,651.73	9,080.53	215.07	-0.96	-215.08	3.92	419,970.77	758,328.54
9,134.00	19 70	173.60	5,681.85	9,110.65	204.38	0.57	-204.36	3.71	419,960.08	758,330.07
9,165.00	19 70	177.50	5,711.04	9,139.84	193.96	1.38	-193.95	4.24	419,949.66	758,330.88
9,197.00	21 20	179.00	5,741.02	9,169.82	182.79	1.72	-182.77	4.97	419,938.49	758,331.22
9,229.00	23 60	180.60	5,770.60	9,199.40	170.60	1.75	-170.58	7.74	419,926.30	758,331.25
9,260.00	27 60	182.10	5,798.56	9,227.36	157.21	1.42	-157.19	13.07	419,912.91	758,330.92
9,292.00	31 60	180.60	5,826.37	9,255.17	141.41	1.06	-141.40	12.71	419,897.11	758,330.56

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Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well Diamond 8 Fed Com 4H
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Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
9,324.00	35.40	179.90	5,853.05	9,281.85	123.75	0.99	-123.74	11.94	419,879.45	758,330.49
9,355.00	39.50	179.00	5,877.66	9,306.46	104.91	1.18	-104.90	13.34	419,860.61	758,330.68
9,387.00	43.10	179.40	5,901.70	9,330.50	83.79	1.47	-83.78	11.28	419,839.49	758,330.97
9,419.00	46.30	179.90	5,924.44	9,353.24	61.29	1.61	-61.27	10.06	419,816.99	758,331.11
9,451.00	50.20	180.10	5,945.74	9,374.54	37.42	1.61	-37.41	12.20	419,793.12	758,331.11
9,482.00	53.80	180.70	5,964.83	9,393.63	13.00	1.43	-12.98	11.71	419,768.70	758,330.93
9,514.00	57.50	180.10	5,982.88	9,411.68	-13.42	1.25	13.43	11.67	419,742.28	758,330.75
9,546.00	61.40	180.30	5,999.14	9,427.94	-40.97	1.15	40.98	12.20	419,714.73	758,330.65
9,578.00	65.30	180.40	6,013.49	9,442.29	-69.56	0.98	69.57	12.19	419,686.14	758,330.48
9,609.00	69.10	181.60	6,025.50	9,454.30	-98.13	0.48	98.13	12.77	419,657.57	758,329.98
9,641.00	72.00	183.00	6,036.16	9,464.96	-128.28	-0.74	128.27	9.96	419,627.42	758,328.76
9,672.00	73.30	183.50	6,045.40	9,474.20	-157.82	-2.42	157.80	4.47	419,597.88	758,327.08
9,704.00	74.90	183.50	6,054.17	9,482.97	-188.54	-4.29	188.50	5.00	419,567.16	758,325.21
9,736.00	78.50	182.90	6,061.53	9,490.33	-219.62	-6.03	219.57	11.40	419,536.08	758,323.47
9,767.00	82.40	181.90	6,066.67	9,495.47	-250.16	-7.31	250.10	12.98	419,505.54	758,322.19
9,801.00	86.80	181.30	6,069.87	9,498.67	-283.99	-8.25	283.92	13.06	419,471.71	758,321.25
9,832.00	90.10	180.60	6,070.71	9,499.51	-314.97	-8.77	314.89	10.88	419,440.73	758,320.73
9,927.00	91.00	180.60	6,069.80	9,498.60	-409.96	-9.76	409.87	0.95	419,345.74	758,319.74
10,020.00	92.30	181.30	6,067.12	9,495.92	-502.90	-11.30	502.80	1.59	419,252.80	758,318.20
10,115.00	91.90	181.40	6,063.64	9,492.44	-597.81	-13.54	597.69	0.43	419,157.89	758,315.96
10,210.00	90.20	180.70	6,061.90	9,490.70	-692.78	-15.28	692.64	1.94	419,062.92	758,314.22
10,305.00	90.90	180.80	6,060.98	9,489.78	-787.76	-16.52	787.61	0.74	418,967.94	758,312.98
10,399.00	90.00	179.10	6,060.25	9,489.05	-881.76	-16.44	881.61	2.05	418,873.94	758,313.06
10,494.00	90.90	180.00	6,059.50	9,488.30	-976.75	-15.70	976.60	1.34	418,778.95	758,313.80
10,589.00	91.30	178.40	6,057.68	9,486.48	-1,071.72	-14.37	1,071.58	1.74	418,683.98	758,315.13
10,683.00	89.40	177.90	6,057.10	9,485.90	-1,165.66	-11.34	1,165.54	2.09	418,590.04	758,318.16
10,778.00	89.90	177.50	6,057.68	9,486.48	-1,260.59	-7.52	1,260.49	0.67	418,495.11	758,321.98

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Database: GCR DB v5000

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
10,874.00	90.30	177.40	6,057.51	9,486.31	-1,356.49	-3.25	1,356.42	0.43	418,399.21	758,326.25
10,969.00	90.10	179.20	6,057.18	9,485.98	-1,451.44	-0.43	1,451.40	1.91	418,304.26	758,329.07
11,064.00	90.50	180.00	6,056.69	9,485.49	-1,546.44	0.23	1,546.40	0.94	418,209.26	758,329.73
11,159.00	91.10	179.90	6,055.36	9,484.16	-1,641.43	0.31	1,641.38	0.64	418,114.27	758,329.81
11,254.00	90.10	180.90	6,054.36	9,483.16	-1,736.42	-0.35	1,736.37	1.49	418,019.28	758,329.15
11,349.00	91.10	180.80	6,053.37	9,482.17	-1,831.40	-1.76	1,831.33	1.06	417,924.30	758,327.74
11,444.00	89.70	179.60	6,052.71	9,481.51	-1,926.40	-2.09	1,926.32	1.94	417,829.30	758,327.41
11,538.00	91.80	180.60	6,051.48	9,480.28	-2,020.38	-2.26	2,020.30	2.47	417,735.32	758,327.24
11,633.00	89.90	179.60	6,050.07	9,478.87	-2,115.36	-2.42	2,115.28	2.26	417,640.34	758,327.08
11,728.00	90.00	180.70	6,050.15	9,478.95	-2,210.36	-2.67	2,210.28	1.16	417,545.34	758,326.83
11,823.00	89.60	180.40	6,050.48	9,479.28	-2,305.36	-3.58	2,305.26	0.53	417,450.34	758,325.92
11,918.00	90.30	181.10	6,050.56	9,479.36	-2,400.35	-4.83	2,400.24	1.04	417,355.35	758,324.67
12,012.00	89.70	178.30	6,050.56	9,479.36	-2,494.34	-4.33	2,494.23	3.05	417,261.36	758,325.17
12,107.00	89.90	177.80	6,050.90	9,479.70	-2,589.28	-1.10	2,589.20	0.57	417,166.42	758,328.40
12,202.00	90.30	177.90	6,050.73	9,479.53	-2,684.21	2.46	2,684.15	0.43	417,071.49	758,331.96
12,298.00	91.80	178.20	6,048.97	9,477.77	-2,780.14	5.73	2,780.10	1.59	416,975.56	758,335.23
12,393.00	91.20	178.80	6,046.48	9,475.28	-2,875.07	8.22	2,875.05	0.89	416,880.63	758,337.72
12,488.00	88.50	178.00	6,046.73	9,475.53	-2,970.03	10.87	2,970.02	2.96	416,785.67	758,340.37
12,583.00	88.50	177.30	6,049.22	9,478.02	-3,064.91	14.76	3,064.94	0.74	416,690.79	758,344.26
12,678.00	91.20	178.30	6,049.47	9,478.27	-3,159.83	18.41	3,159.88	3.03	416,595.87	758,347.91
12,773.00	92.10	178.30	6,046.73	9,475.53	-3,254.75	21.23	3,254.82	0.95	416,500.95	758,350.73
12,868.00	92.30	178.20	6,043.09	9,471.89	-3,349.64	24.12	3,349.72	0.24	416,406.06	758,353.62
12,963.00	91.30	178.40	6,040.10	9,468.90	-3,444.55	26.94	3,444.65	1.07	416,311.15	758,356.44
13,058.00	90.80	180.30	6,038.36	9,467.16	-3,539.52	28.02	3,539.63	2.07	416,216.18	758,357.52
13,153.00	89.20	181.20	6,038.36	9,467.16	-3,634.51	26.77	3,634.61	1.93	416,121.19	758,356.27
13,247.00	89.60	180.60	6,039.34	9,468.14	-3,728.49	25.30	3,728.57	0.77	416,027.21	758,354.80
13,342.00	90.50	180.30	6,039.26	9,468.06	-3,823.49	24.55	3,823.56	1.00	415,932.21	758,354.05

Phoenix Technology Services

EOG Resources



Company: EOG Resources
Project: Lea County, NM (Nad27)
Site: Diamond 8 Federal
Well: Diamond 8 Fed Com 4H
Wellbore: Wellbore #1
Design: Wellbore #1

Local Co-ordinate Reference: Well Diamond 8 Fed Com 4H
TVD Reference: WELL @ 3428.80usft (Original Well Elev + 30' KB)
MD Reference: WELL @ 3428.80usft (Original Well Elev + 30' KB)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: GCR DB v5000

Survey

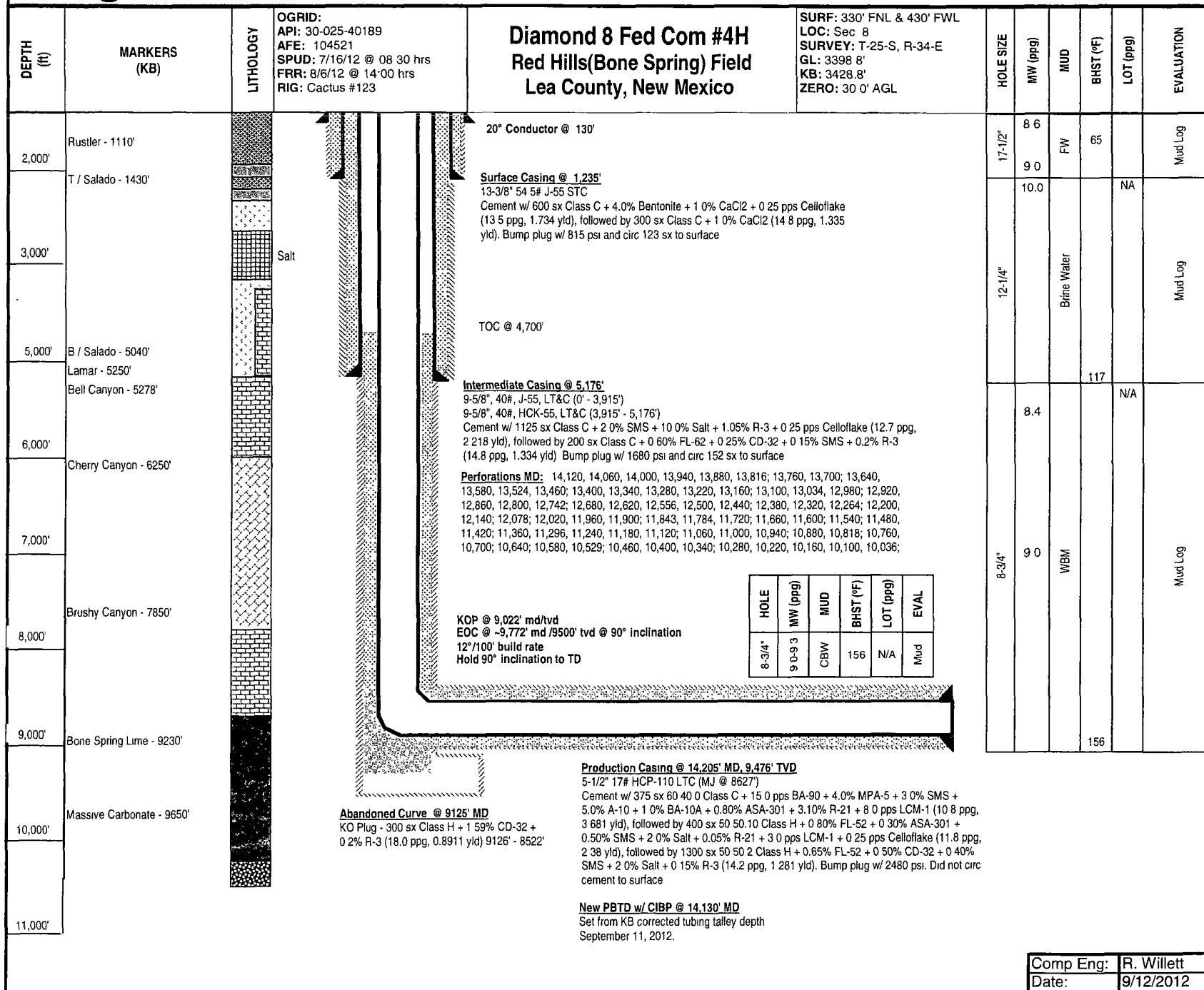
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
13,437.00	92.20	180.10	6,037.02	9,465.82	-3,918.46	24.22	3,918.53	1.80	415,837.24	758,353.72
13,533.00	90.90	180.20	6,034.43	9,463.23	-4,014.42	23.97	4,014.48	1.36	415,741.28	758,353.47
13,628.00	86.50	178.80	6,036.58	9,465.38	-4,109.36	24.80	4,109.43	4.86	415,646.34	758,354.30
13,723.00	86.70	178.60	6,042.22	9,471.02	-4,204.17	26.95	4,204.26	0.30	415,551.53	758,356.45
13,818.00	88.80	179.10	6,045.95	9,474.75	-4,299.07	28.85	4,299.17	2.27	415,456.63	758,358.35
13,913.00	87.90	179.10	6,048.68	9,477.48	-4,394.02	30.35	4,394.13	0.95	415,361.68	758,359.85
14,008.00	89.80	179.50	6,050.59	9,479.39	-4,488.99	31.51	4,489.10	2.04	415,266.71	758,361.01
14,102.00	91.60	179.70	6,049.44	9,478.24	-4,582.98	32.16	4,583.09	1.93	415,172.72	758,361.66
14,174.00	92.50	180.10	6,046.86	9,475.66	-4,654.93	32.29	4,655.04	1.37	415,100.77	758,361.79
Last Phoenix MWD Survey										
14,230.00	92.50	180.10	6,044.42	9,473.22	-4,710.88	32.19	4,710.99	0.00	415,044.82	758,361.69
Projection To TD										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,165.00	1,164.92	-10.30	6.64	Last Gyro Survey
1,291.00	1,290.92	-11.25	6.81	First Phoenix MWD Survey
8,664.00	8,650.71	266.94	-13.15	ST Tie On Survey
8,753.00	8,739.67	269.19	-14.52	First ST Phoenix MWD Survey
14,174.00	9,475.66	-4,654.93	32.29	Last Phoenix MWD Survey
14,230.00	9,473.22	-4,710.88	32.19	Projection To TD

Checked By: _____ Approved By: _____ Date: _____

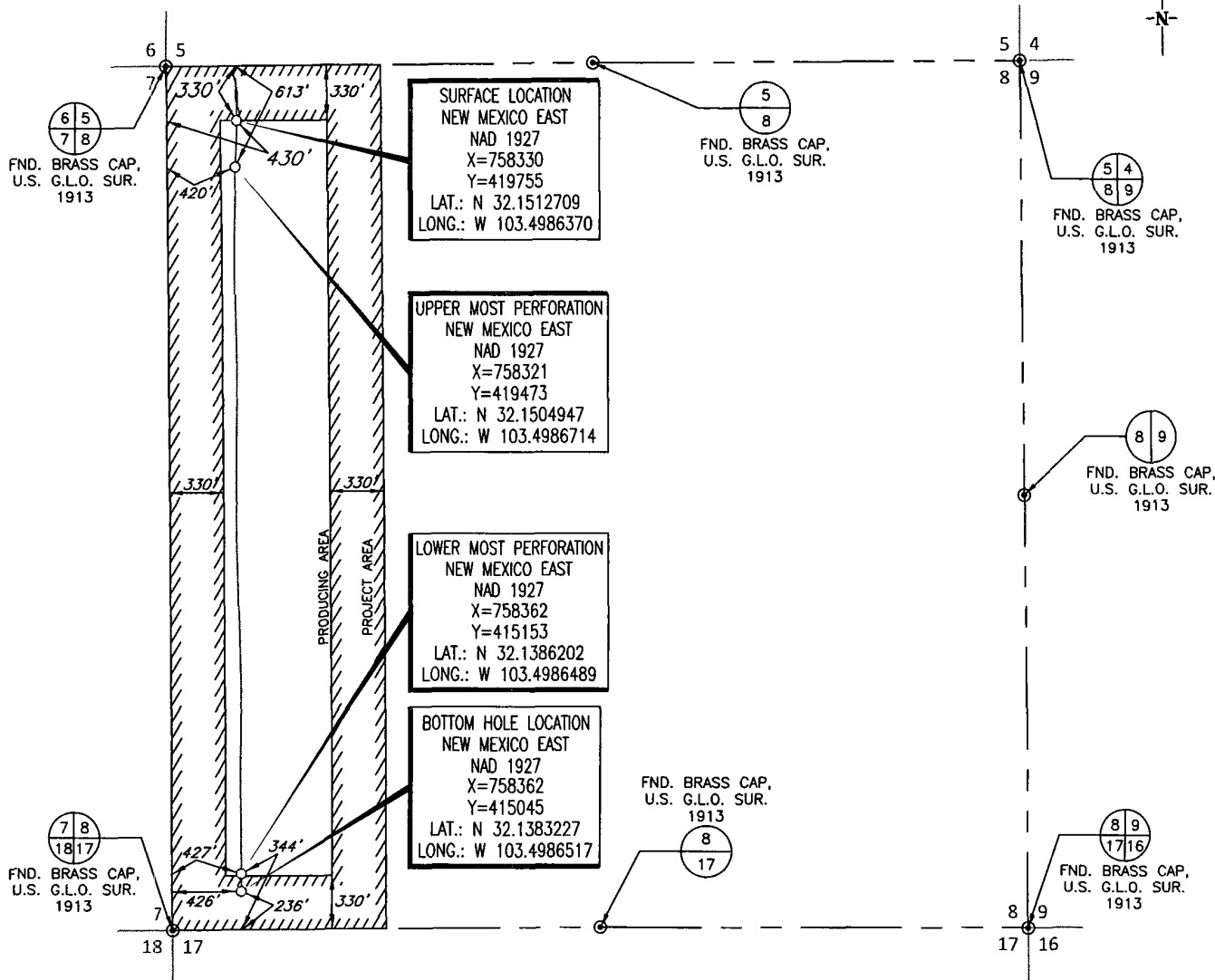
COMPLETED WELL SKETCH



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



**SECTION 8, TOWNSHIP 25 SOUTH, RANGE 34 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO**



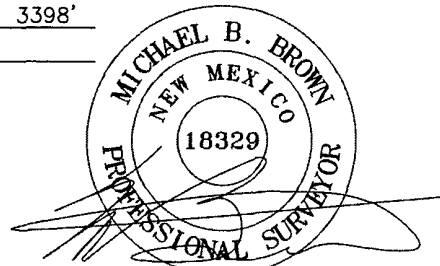
LEASE NAME & WELL NO.: DIAMOND 8 FED COM #4H
SECTION 8 **TWP** 25-S **RGE** 34-E **SURVEY** N.M.P.M.
COUNTY LEA **STATE** NM **ELEVATION** 3398'
DESCRIPTION 330' FNL & 430' FWL

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 EOG RESOURCES, INC. 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

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

DIAMOND 8 FED COM #4H AS-DRILLED	REVISION:	
	S.V.	9/14/2012
DATE: SEPTEMBER 4, 2012		
FILE: AD_DIAMOND8FEDCOM_4H_REV1		
DRAWN BY: S.V.		
SHEET: 1 OF 1		



Michael Blake Brown, P.S. No. 18329
SEPTEMBER 14, 2012

TOPOGRAPHIC

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