

EOG Resources

Lea County, NM (Nad27)
Red Hills West 16 State
Red Hills West 16 State 1H
Wellbore #1

Plan: Plan #1 122111

EOG Resources

21 December, 2011



PHOENIX
TECHNOLOGY SERVICES

30-025-40410

JAN 26 2012

Phoenix Technology Services
EOG Resources



Company:	EOG Resources		Local Co-ordinate Reference:	Well Red Hills West 16 State 1H	
Project:	Lea County, NM (Nad27)		TVD Reference:	WELL @ 3231.50usft (Original Well Elev)	
Site:	Red Hills West 16 State		MD Reference:	WELL @ 3231.50usft (Original Well Elev)	
Well:	Red Hills West 16 State 1H		North Reference:	Grid	
Wellbore:	Wellbore #1		Survey Calculation Method:	Minimum Curvature	
Design:	Plan #1 122111		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 Red Hills West 16 State			
Site Position:		Northing:	382,382.50 usft
From:	Map	Easting:	700,544.80 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 2' 58.675 N
		Longitude:	103° 41' 9.818 W
		Grid Convergence:	0 34 °

Well Red Hills West 16 State 1H						
Well Position	+N/-S	0.00 usft	Northing:	382,382.50 usft	Latitude:	32° 2' 58.675 N
	+E/-W	0.00 usft	Easting:	700,544.80 usft	Longitude:	103° 41' 9.818 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,201.50 usft

Wellbore Wellbore #1					
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010_14	12/21/11	7.56	59.99	48,448

Design Plan #1 122111				
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.00	0.00	0.00	182.71

Survey Tool Program Date 12/21/11				
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
0.00	13,482.57	Plan #1 122111 (Wellbore #1)	MWD	MWD - Standard

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Red Hills West 16 State 1H
Project:	Lea County, NM (Nad27)	TVD Reference:	WELL @ 3231.50usft (Original Well Elev)
Site:	Red Hills West 16 State	MD Reference:	WELL @ 3231.50usft (Original Well Elev)
Well:	Red Hills West 16 State 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1 122111	Database:	GCR DB v5000

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
0.00	0.00	0.00	-3,231.50	0.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
100.00	0.00	0.00	-3,131.50	100.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
200.00	0.00	0.00	-3,031.50	200.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
300.00	0.00	0.00	-2,931.50	300.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
400.00	0.00	0.00	-2,831.50	400.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
500.00	0.00	0.00	-2,731.50	500.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
600.00	0.00	0.00	-2,631.50	600.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
700.00	0.00	0.00	-2,531.50	700.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
800.00	0.00	0.00	-2,431.50	800.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
900.00	0.00	0.00	-2,331.50	900.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
1,000.00	0.00	0.00	-2,231.50	1,000.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
1,100.00	0.00	0.00	-2,131.50	1,100.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
1,200.00	0.00	0.00	-2,031.50	1,200.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
1,300.00	0.00	0.00	-1,931.50	1,300.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
1,400.00	0.00	0.00	-1,831.50	1,400.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
1,500.00	0.00	0.00	-1,731.50	1,500.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
1,600.00	0.00	0.00	-1,631.50	1,600.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
1,700.00	0.00	0.00	-1,531.50	1,700.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
1,800.00	0.00	0.00	-1,431.50	1,800.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
1,900.00	0.00	0.00	-1,331.50	1,900.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
2,000.00	0.00	0.00	-1,231.50	2,000.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
2,100.00	0.00	0.00	-1,131.50	2,100.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
2,200.00	0.00	0.00	-1,031.50	2,200.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
2,300.00	0.00	0.00	-931.50	2,300.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
2,400.00	0.00	0.00	-831.50	2,400.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
2,500.00	0.00	0.00	-731.50	2,500.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
2,600.00	0.00	0.00	-631.50	2,600.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Red Hills West 16 State 1H
Project:	Lea County, NM (Nad27)	TVD Reference:	WELL @ 3231.50usft (Original Well Elev)
Site:	Red Hills West 16 State	MD Reference:	WELL @ 3231.50usft (Original Well Elev)
Well:	Red Hills West 16 State 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1 122111	Database:	GCR DB v5000

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
2,700.00	0.00	0.00	-531.50	2,700.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
2,800.00	0.00	0.00	-431.50	2,800.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
2,900.00	0.00	0.00	-331.50	2,900.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
3,000.00	0.00	0.00	-231.50	3,000.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
3,100.00	0.00	0.00	-131.50	3,100.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
3,200.00	0.00	0.00	-31.50	3,200.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
3,300.00	0.00	0.00	68.50	3,300.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
3,400.00	0.00	0.00	168.50	3,400.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
3,500.00	0.00	0.00	268.50	3,500.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
3,600.00	0.00	0.00	368.50	3,600.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
3,700.00	0.00	0.00	468.50	3,700.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
3,800.00	0.00	0.00	568.50	3,800.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
3,900.00	0.00	0.00	668.50	3,900.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
4,000.00	0.00	0.00	768.50	4,000.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
4,100.00	0.00	0.00	868.50	4,100.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
4,200.00	0.00	0.00	968.50	4,200.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
4,300.00	0.00	0.00	1,068.50	4,300.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
4,400.00	0.00	0.00	1,168.50	4,400.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
4,500.00	0.00	0.00	1,268.50	4,500.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
4,600.00	0.00	0.00	1,368.50	4,600.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
4,700.00	0.00	0.00	1,468.50	4,700.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
4,800.00	0.00	0.00	1,568.50	4,800.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
4,900.00	0.00	0.00	1,668.50	4,900.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
5,000.00	0.00	0.00	1,768.50	5,000.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
5,100.00	0.00	0.00	1,868.50	5,100.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
5,200.00	0.00	0.00	1,968.50	5,200.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
5,300.00	0.00	0.00	2,068.50	5,300.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Red Hills West 16 State 1H
Project:	Lea County, NM (Nad27)	TVD Reference:	WELL @ 3231.50usft (Original Well Elev)
Site:	Red Hills West 16 State	MD Reference:	WELL @ 3231.50usft (Original Well Elev)
Well:	Red Hills West 16 State 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1 122111	Database:	GCR DB v5000

Planned 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)	
5,400.00	0.00	0.00	2,168.50	5,400.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
5,500.00	0.00	0.00	2,268.50	5,500.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
5,600.00	0.00	0.00	2,368.50	5,600.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
5,700.00	0.00	0.00	2,468.50	5,700.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
5,800.00	0.00	0.00	2,568.50	5,800.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
5,900.00	0.00	0.00	2,668.50	5,900.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
6,000.00	0.00	0.00	2,768.50	6,000.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
6,100.00	0.00	0.00	2,868.50	6,100.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
6,200.00	0.00	0.00	2,968.50	6,200.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
6,300.00	0.00	0.00	3,068.50	6,300.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
6,400.00	0.00	0.00	3,168.50	6,400.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
6,500.00	0.00	0.00	3,268.50	6,500.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
6,600.00	0.00	0.00	3,368.50	6,600.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
6,700.00	0.00	0.00	3,468.50	6,700.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
6,800.00	0.00	0.00	3,568.50	6,800.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
6,900.00	0.00	0.00	3,668.50	6,900.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
7,000.00	0.00	0.00	3,768.50	7,000.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
7,100.00	0.00	0.00	3,868.50	7,100.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
7,200.00	0.00	0.00	3,968.50	7,200.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
7,300.00	0.00	0.00	4,068.50	7,300.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
7,400.00	0.00	0.00	4,168.50	7,400.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
7,500.00	0.00	0.00	4,268.50	7,500.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
7,600.00	0.00	0.00	4,368.50	7,600.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
7,700.00	0.00	0.00	4,468.50	7,700.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
7,800.00	0.00	0.00	4,568.50	7,800.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
7,900.00	0.00	0.00	4,668.50	7,900.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
8,000.00	0.00	0.00	4,768.50	8,000.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Red Hills West 16 State 1H
Project:	Lea County, NM (Nad27)	TVD Reference:	WELL @ 3231.50usft (Original Well Elev)
Site:	Red Hills West 16 State	MD Reference:	WELL @ 3231.50usft (Original Well Elev)
Well:	Red Hills West 16 State 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1 122111	Database:	GCR DB v5000

Planned 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)	
8,100.00	0.00	0.00	4,868.50	8,100.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
8,200.00	0.00	0.00	4,968.50	8,200.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
8,300.00	0.00	0.00	5,068.50	8,300.00	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
8,372.54	0.00	0.00	5,141.04	8,372.54	0.00	0.00	0.00	0.00	382,382.50	700,544.80	
Start Build 12.00											
8,400.00	3.30	182.71	5,168.48	8,399.98	-0.79	-0.04	0.79	12.00	382,381.71	700,544.76	
8,500.00	15.30	182.71	5,266.99	8,498.49	-16.89	-0.80	16.91	12.00	382,365.61	700,544.00	
8,600.00	27.30	182.71	5,359.99	8,591.49	-53.11	-2.51	53.17	12.00	382,329.39	700,542.29	
8,700.00	39.30	182.71	5,443.43	8,674.93	-107.84	-5.10	107.96	12.00	382,274.66	700,539.70	
8,800.00	51.30	182.71	5,513.64	8,745.14	-178.71	-8.45	178.91	12.00	382,203.79	700,536.35	
8,900.00	63.30	182.71	5,567.57	8,799.07	-262.61	-12.42	262.90	12.00	382,119.89	700,532.38	
9,000.00	75.30	182.71	5,602.86	8,834.36	-355.87	-16.83	356.27	12.00	382,026.63	700,527.97	
9,100.00	87.30	182.71	5,617.97	8,849.47	-454.43	-21.49	454.94	12.00	381,928.07	700,523.31	
9,122.54	90.00	182.71	5,618.50	8,850.00	-476.93	-22.55	477.46	12.00	381,905.57	700,522.25	
Start 4360.03 hold at 9122.54 MD											
9,200.00	90.00	182.71	5,618.50	8,850.00	-554.31	-26.21	554.93	0.00	381,828.19	700,518.59	
9,300.00	90.00	182.71	5,618.50	8,850.00	-654.20	-30.94	654.93	0.00	381,728.30	700,513.86	
9,400.00	90.00	182.71	5,618.50	8,850.00	-754.09	-35.66	754.93	0.00	381,628.41	700,509.14	
9,500.00	90.00	182.71	5,618.50	8,850.00	-853.98	-40.38	854.93	0.00	381,528.52	700,504.42	
9,600.00	90.00	182.71	5,618.50	8,850.00	-953.86	-45.11	954.93	0.00	381,428.64	700,499.69	
9,700.00	90.00	182.71	5,618.50	8,850.00	-1,053.75	-49.83	1,054.93	0.00	381,328.75	700,494.97	
9,800.00	90.00	182.71	5,618.50	8,850.00	-1,153.64	-54.55	1,154.93	0.00	381,228.86	700,490.25	
9,900.00	90.00	182.71	5,618.50	8,850.00	-1,253.53	-59.28	1,254.93	0.00	381,128.97	700,485.52	
10,000.00	90.00	182.71	5,618.50	8,850.00	-1,353.42	-64.00	1,354.93	0.00	381,029.08	700,480.80	
10,100.00	90.00	182.71	5,618.50	8,850.00	-1,453.31	-68.72	1,454.93	0.00	380,929.19	700,476.08	
10,200.00	90.00	182.71	5,618.50	8,850.00	-1,553.19	-73.45	1,554.93	0.00	380,829.31	700,471.35	
10,300.00	90.00	182.71	5,618.50	8,850.00	-1,653.08	-78.17	1,654.93	0.00	380,729.42	700,466.63	

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Red Hills West 16 State 1H
Project:	Lea County, NM (Nad27)	TVD Reference:	WELL @ 3231.50usft (Original Well Elev)
Site:	Red Hills West 16 State	MD Reference:	WELL @ 3231.50usft (Original Well Elev)
Well:	Red Hills West 16 State 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1 122111	Database:	GCR DB v5000

Planned 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)	
10,400.00	90.00	182.71	5,618.50	8,850.00	-1,752.97	-82.89	1,754.93	0.00	380,629.53	700,461.91	
10,500.00	90.00	182.71	5,618.50	8,850.00	-1,852.86	-87.62	1,854.93	0.00	380,529.64	700,457.18	
10,600.00	90.00	182.71	5,618.50	8,850.00	-1,952.75	-92.34	1,954.93	0.00	380,429.75	700,452.46	
10,700.00	90.00	182.71	5,618.50	8,850.00	-2,052.64	-97.06	2,054.93	0.00	380,329.86	700,447.74	
10,800.00	90.00	182.71	5,618.50	8,850.00	-2,152.52	-101.79	2,154.93	0.00	380,229.98	700,443.01	
10,900.00	90.00	182.71	5,618.50	8,850.00	-2,252.41	-106.51	2,254.93	0.00	380,130.09	700,438.29	
11,000.00	90.00	182.71	5,618.50	8,850.00	-2,352.30	-111.24	2,354.93	0.00	380,030.20	700,433.56	
11,100.00	90.00	182.71	5,618.50	8,850.00	-2,452.19	-115.96	2,454.93	0.00	379,930.31	700,428.84	
11,200.00	90.00	182.71	5,618.50	8,850.00	-2,552.08	-120.68	2,554.93	0.00	379,830.42	700,424.12	
11,300.00	90.00	182.71	5,618.50	8,850.00	-2,651.97	-125.41	2,654.93	0.00	379,730.53	700,419.39	
11,400.00	90.00	182.71	5,618.50	8,850.00	-2,751.85	-130.13	2,754.93	0.00	379,630.65	700,414.67	
11,500.00	90.00	182.71	5,618.50	8,850.00	-2,851.74	-134.85	2,854.93	0.00	379,530.76	700,409.95	
11,600.00	90.00	182.71	5,618.50	8,850.00	-2,951.63	-139.58	2,954.93	0.00	379,430.87	700,405.22	
11,700.00	90.00	182.71	5,618.50	8,850.00	-3,051.52	-144.30	3,054.93	0.00	379,330.98	700,400.50	
11,800.00	90.00	182.71	5,618.50	8,850.00	-3,151.41	-149.02	3,154.93	0.00	379,231.09	700,395.78	
11,900.00	90.00	182.71	5,618.50	8,850.00	-3,251.30	-153.75	3,254.93	0.00	379,131.20	700,391.05	
12,000.00	90.00	182.71	5,618.50	8,850.00	-3,351.18	-158.47	3,354.93	0.00	379,031.32	700,386.33	
12,100.00	90.00	182.71	5,618.50	8,850.00	-3,451.07	-163.19	3,454.93	0.00	378,931.43	700,381.61	
12,200.00	90.00	182.71	5,618.50	8,850.00	-3,550.96	-167.92	3,554.93	0.00	378,831.54	700,376.88	
12,300.00	90.00	182.71	5,618.50	8,850.00	-3,650.85	-172.64	3,654.93	0.00	378,731.65	700,372.16	
12,400.00	90.00	182.71	5,618.50	8,850.00	-3,750.74	-177.36	3,754.93	0.00	378,631.76	700,367.44	
12,500.00	90.00	182.71	5,618.50	8,850.00	-3,850.63	-182.09	3,854.93	0.00	378,531.87	700,362.71	
12,600.00	90.00	182.71	5,618.50	8,850.00	-3,950.52	-186.81	3,954.93	0.00	378,431.98	700,357.99	
12,700.00	90.00	182.71	5,618.50	8,850.00	-4,050.40	-191.54	4,054.93	0.00	378,332.10	700,353.26	
12,800.00	90.00	182.71	5,618.50	8,850.00	-4,150.29	-196.26	4,154.93	0.00	378,232.21	700,348.54	
12,900.00	90.00	182.71	5,618.50	8,850.00	-4,250.18	-200.98	4,254.93	0.00	378,132.32	700,343.82	
13,000.00	90.00	182.71	5,618.50	8,850.00	-4,350.07	-205.71	4,354.93	0.00	378,032.43	700,339.09	

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Red Hills West 16 State 1H
Project:	Lea County, NM (Nad27)	TVD Reference:	WELL @ 3231.50usft (Original Well Elev)
Site:	Red Hills West 16 State	MD Reference:	WELL @ 3231.50usft (Original Well Elev)
Well:	Red Hills West 16 State 1H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1 122111	Database:	GCR DB v5000

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	D Leg (%/100usft)	Northing (usft)	Easting (usft)	
13,100.00	90.00	182.71	5,618.50	8,850.00	-4,449.96	-210.43	4,454.93	0.00	377,932.54	700,334.37	
13,200.00	90.00	182.71	5,618.50	8,850.00	-4,549.85	-215.15	4,554.93	0.00	377,832.65	700,329.65	
13,300.00	90.00	182.71	5,618.50	8,850.00	-4,649.73	-219.88	4,654.93	0.00	377,732.77	700,324.92	
13,400.00	90.00	182.71	5,618.50	8,850.00	-4,749.62	-224.60	4,754.93	0.00	377,632.88	700,320.20	
13,482.57	90.00	182.71	5,618.50	8,850.00	-4,832.10	-228.50	4,837.50	0.00	377,550.40	700,316.30	
TD at 13482.57											

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,372.54	8,372.54	0.00	0.00	Start Build 12.00
9,122.54	8,850.00	-476.93	-22.55	Start 4360.03 hold at 9122.54 MD
13,482.57	8,850.00	-4,832.10	-228.50	TD at 13482.57

Checked By: _____ Approved By: _____ Date: _____