



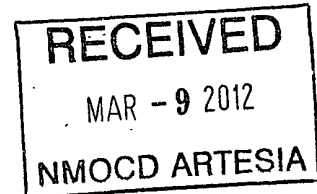
PHOENIX
TECHNOLOGY SERVICES

March 5, 2012

Oil Conservation Division
State of New Mexico
811 S. First St.
Artesia, New Mexico 88210

Dear District 2 - Artesia

Re: EOG Resources
Ross Gulch 8 #3
Eddy Co., NM
API #30-015-39736
Job No. 1210159



Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 606018). Other information required by your office is as follows:

Name & Title of Surveyor	Drainhole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Brad Hill	3H	1,163	9,244	02/22/12	03/01/12	MWD

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Best Regards,

Gretchen Briggs
Operations Administrator

Certified mail receipt number: **7010 1670 0000 9227 7294**

Phoenix Technology Services SURVEY DATA CERTIFICATION

PHOENIX JOB NUMBER

1210159

OPERATOR

EoG

WELL NAME

Ross Gulch 8 No 3

COUNTY & STATE

Eddy, NM

API WELL NUMBER

3001539736

PROPOSED DIRECTION

90.44

TIE-IN DATA						
MEASURED DEPTH	VERTICAL DEPTH	INCLIN	AZIMUTH	N-S COORD	E-W COORD	DATA SOURCE
1,050 ft	1,049.94 ft	0.77	139.7 ft	9.21 ft	4.43 ft	Surface

FIRST SURVEY DATE	FIRST SURVEY DEPTH	INCLIN	AZIMUTH
22-Feb-12	1,163 ft	1.00	183.4

SURVEY INSTRUMENT

TYPE

Phoenix MWD

LAST SURVEY DATE	LAST SURVEY DEPTH	INCLIN	AZIMUTH
1-Mar-12	9,244 ft	1.5	220.3

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
1-Mar-12	9,306 ft	1.5	220.3

Brad Hill

PRINT YOUR NAME ABOVE

Brad Hill

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED

7.34

DECLINATION OR GRID

DECLINATION

3/1/2012

TODAY'S DATE

MWD SUPERVISOR 1

Brad Hill

DIRECTIONAL DRILLER 1

Corey Owens

MWD SUPERVISOR 2

Matt Dice

DIRECTIONAL DRILLER 2

Jason Ryan

1805 Brittmore Road

Houston, Texas 77043

(713) 337-0609 (Voice), (713) 337-0599 (Fax)



District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Artesia, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease-4 Copies
Fee Lease-3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-	Pool Code 96100	Pool Name SWD; Delaware
Property Code	Property Name ROSS GULCH "B"	Well Number 3
ORD No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3261.5'

Surface Location

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
K	8	26 SOUTH	31 EAST, N.M.P.M.		2440'	SOUTH	2440'	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres		Joint or InE	Consolidation Code	Order No.					

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Stan Wagner</i> 11/30/11 Signature Date Stan Wagner Printed Name
	SURVEYOR CERTIFICATION I hereby certify that the location shown on this plat is from field notes and is made by me or under my supervision and that the same is true and correct to the best of my belief. NOVEMBER 2 2011 Date of Survey <i>Seny Albert</i> Signature Professional Surveyor Certificate Number 15079 Woj 11110792 (N)

EOG Resources

Eddy County, NM (Nad27)

Ross Gulch 8

Ross Gulch 8 #3

Wellbore #1

Survey: Phoenix MWD Surveys

EOG Resources

02 March, 2012



Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Ross Gulch 8 #3
Project:	Eddy County, NM (Nad27)	TVD Reference:	WELL @ 3307.10usft (Original Well Elev +30' KB)
Site:	Ross Gulch 8	MD Reference:	WELL @ 3307.10usft (Original Well Elev +30' KB)
Well:	Ross Gulch 8 #3	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	GCR DB v5000

Project		Eddy 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		Ross Gulch 8					
Site Position:		Northing:	384,745.70	usft	Latitude:	32° 3' 23 9818 N	
From:	Map	Easting:	665,037 50	usft	Longitude:	103° 48' 2.2345 W	
Position Uncertainty:	0.00	usft	Slot Radius:	13-3/16	"	Grid Convergence:	0.28 °

Well	Ross Gulch 8 #3					
Well Position	+N/-S	0.00 usft	Northing:	384,745.70 usft	Latitude:	32° 3' 23 9818 N
	+E/-W	0.00 usft	Easting:	665,037 50 usft	Longitude:	103° 48' 2.2345 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,277 10 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010_14	12/09/11	7.62	59 98	48,442

Design		Wellbore #1			
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	0 00	

Survey Program		Date 03/02/12		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100 00	9,306.00	Phoenix MWD Surveys (Wellbore #1)	MWD	MWD - Standard

Phoenix Technology Services
EOG Resources



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Site:	Ross Gulch 8	MD Reference:	WELL @ 3307 10usft (Original Well Elev +30' KB)
Well:	Ross Gulch 8 #3	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)	
0.00	0.00	0.00	-3,307.10	0.00	0.00	0.00	0.00	0.00	384,745.70	665,037.50	
100.00	0.41	209.30	-3,207.10	100.00	-0.31	-0.18	-0.31	0.41	384,745.39	665,037.32	
200.00	0.53	181.58	-3,107.10	200.00	-1.09	-0.36	-1.09	0.25	384,744.61	665,037.14	
300.00	0.46	173.49	-3,007.11	299.99	-1.95	-0.33	-1.95	0.10	384,743.75	665,037.17	
400.00	0.56	148.63	-2,907.11	399.99	-2.76	-0.03	-2.76	0.24	384,742.94	665,037.47	
500.00	0.65	152.19	-2,807.12	499.98	-3.68	0.49	-3.68	0.10	384,742.02	665,037.99	
600.00	0.86	157.25	-2,707.13	599.97	-4.88	1.04	-4.88	0.22	384,740.82	665,038.54	
700.00	0.76	154.10	-2,607.14	699.96	-6.17	1.62	-6.17	0.11	384,739.53	665,039.12	
800.00	0.64	132.78	-2,507.14	799.96	-7.14	2.32	-7.14	0.28	384,738.56	665,039.82	
900.00	0.62	131.70	-2,407.15	899.95	-7.88	3.14	-7.88	0.02	384,737.82	665,040.64	
1,000.00	0.75	136.81	-2,307.16	999.94	-8.72	3.99	-8.72	0.14	384,736.98	665,041.49	
1,050.00	0.77	139.74	-2,257.16	1,049.94	-9.21	4.43	-9.21	0.09	384,736.49	665,041.93	
Last Gyro Survey											
1,163.00	1.00	183.40	-2,144.17	1,162.93	-10.78	4.86	-10.78	0.61	384,734.92	665,042.36	
First Phoenix MWD Survey											
1,348.00	1.80	183.90	-1,959.23	1,347.87	-15.29	4.57	-15.29	0.43	384,730.41	665,042.07	
1,532.00	1.40	159.00	-1,775.30	1,531.80	-20.27	5.18	-20.27	0.43	384,725.43	665,042.68	
1,721.00	1.60	44.30	-1,586.33	1,720.77	-20.54	7.85	-20.54	1.34	384,725.16	665,045.35	
1,910.00	0.90	310.40	-1,397.37	1,909.73	-17.68	8.56	-17.68	1.00	384,728.02	665,046.06	
2,101.00	1.10	304.30	-1,206.39	2,100.71	-15.68	5.90	-15.68	0.12	384,730.02	665,043.40	
2,291.00	1.10	307.30	-1,016.43	2,290.67	-13.55	2.95	-13.55	0.03	384,732.15	665,040.45	
2,481.00	1.40	5.90	-826.47	2,480.63	-10.13	1.73	-10.13	0.66	384,735.57	665,039.23	
2,671.00	1.10	343.30	-636.51	2,670.59	-6.08	1.45	-6.08	0.30	384,739.62	665,038.95	
2,860.00	1.10	248.70	-447.53	2,859.57	-5.00	-0.76	-5.00	0.86	384,740.70	665,036.74	
3,050.00	0.50	131.20	-257.55	3,049.55	-6.21	-1.84	-6.21	0.74	384,739.49	665,035.66	
3,241.00	0.70	347.90	-66.55	3,240.55	-5.61	-1.46	-5.61	0.60	384,740.09	665,036.04	
3,431.00	0.50	352.80	123.44	3,430.54	-3.66	-1.80	-3.66	0.11	384,742.04	665,035.70	

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Ross Gulch 8 #3
Project:	Eddy County, NM (Nad27)	TVD Reference:	WELL @ 3307.10usft (Original Well Elev +30' KB)
Site:	Ross Gulch 8	MD Reference:	WELL @ 3307 10usft (Original Well Elev +30' KB)
Well:	Ross Gulch 8 #3	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)	
3,620.00	1.40	138.10	312.42	3,619.52	-4.56	-0.36	-4.56	0.97	384,741.14	665,037.14	
3,811.00	0.40	332.20	503.41	3,810.51	-5.70	0.88	-5.70	0.94	384,740.00	665,038.38	
3,958.00	1.40	351.10	650.39	3,957.49	-3.48	0.37	-3.48	0.70	384,742.22	665,037.87	
4,027.00	1.90	352.80	719.36	4,026.46	-1.51	0.09	-1.51	0.73	384,744.19	665,037.59	
4,217.00	1.10	306.30	909.30	4,216.40	2.70	-1.77	2.70	0.73	384,748.40	665,035.73	
4,408.00	1.00	284.30	1,100.27	4,407.37	4.19	-4.86	4.19	0.22	384,749.89	665,032.64	
4,598.00	0.80	284.90	1,290.24	4,597.34	4.94	-7.75	4.94	0.11	384,750.64	665,029.75	
4,786.00	0.90	279.30	1,478.22	4,785.32	5.52	-10.48	5.52	0.07	384,751.22	665,027.02	
4,976.00	1.10	255.70	1,668.19	4,975.29	5.31	-13.72	5.31	0.24	384,751.01	665,023.78	
5,168.00	1.20	256.10	1,860.16	5,167.26	4.37	-17.46	4.37	0.05	384,750.07	665,020.04	
5,358.00	1.10	191.30	2,050.13	5,357.23	2.11	-19.74	2.11	0.65	384,747.81	665,017.76	
5,548.00	0.70	243.20	2,240.10	5,547.20	-0.21	-21.14	-0.21	0.46	384,745.49	665,016.36	
5,738.00	0.70	252.70	2,430.09	5,737.19	-1.07	-23.28	-1.07	0.06	384,744.63	665,014.22	
5,927.00	0.90	224.10	2,619.07	5,926.17	-2.48	-25.42	-2.48	0.23	384,743.22	665,012.08	
6,117.00	0.90	214.20	2,809.05	6,116.15	-4.79	-27.29	-4.79	0.08	384,740.91	665,010.21	
6,306.00	1.10	234.80	2,998.02	6,305.12	-7.06	-29.61	-7.06	0.22	384,738.64	665,007.89	
6,496.00	1.00	143.20	3,188.00	6,495.10	-9.44	-30.11	-9.44	0.79	384,736.26	665,007.39	
6,687.00	1.40	134.70	3,378.96	6,686.06	-12.42	-27.45	-12.42	0.23	384,733.28	665,010.05	
6,877.00	1.50	79.20	3,568.91	6,876.01	-13.58	-23.36	-13.58	0.71	384,732.12	665,014.14	
7,068.00	1.30	80.90	3,759.85	7,066.95	-12.77	-18.76	-12.77	0.11	384,732.93	665,018.74	
7,258.00	1.60	100.80	3,949.79	7,256.89	-12.93	-14.03	-12.93	0.31	384,732.77	665,023.47	
7,449.00	1.30	96.60	4,140.73	7,447.83	-13.68	-9.26	-13.68	0.17	384,732.02	665,028.24	
7,637.00	1.30	116.60	4,328.68	7,635.78	-14.88	-5.23	-14.88	0.24	384,730.82	665,032.27	
7,828.00	1.60	113.30	4,519.62	7,826.72	-16.90	-0.85	-16.90	0.16	384,728.80	665,036.65	
8,018.00	1.10	116.60	4,709.57	8,016.67	-18.77	3.22	-18.77	0.27	384,726.93	665,040.72	
8,208.00	0.70	131.70	4,899.54	8,206.64	-20.36	5.72	-20.36	0.24	384,725.34	665,043.22	
8,398.00	1.60	159.90	5,089.50	8,396.60	-23.62	7.50	-23.62	0.55	384,722.08	665,045.00	

Phoenix Technology Services
EOG Resources



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Well:	Ross Gulch 8 #3	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)	
8,588.00	1.10	175.10	5,279.45	8,586.55	-27.93	8.56	-27.93	0.32	384,717.77	665,046.06	
8,780.00	1.10	231.20	5,471.42	8,778.52	-30.92	7.28	-30.92	0.54	384,714.78	665,044.78	
8,970.00	2.00	212.30	5,661.35	8,968.45	-34.87	4.09	-34.87	0.54	384,710.83	665,041.59	
9,160.00	1.70	223.50	5,851.25	9,158.35	-39.71	0.38	-39.71	0.25	384,705.99	665,037.88	
9,244.00	1.50	220.30	5,935.22	9,242.32	-41.45	-1.19	-41.45	0.26	384,704.25	665,036.31	
Last Phoenix MWD Survey											
9,306.00	1.50	220.30	5,997.20	9,304.30	-42.69	-2.24	-42.69	0.00	384,703.01	665,035.26	
Projection to TD											

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,050.00	1,049.94	-9.21	4.43	Last Gyro Survey	
1,163.00	1,162.93	-10.78	4.86	First Phoenix MWD Survey	
9,244.00	9,242.32	-41.45	-1.19	Last Phoenix MWD Survey	
9,306.00	9,304.30	-42.69	-2.24	Projection to TD	

Checked By: _____	Approved By: _____	Date: _____
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