

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter abandoned well. Use Form 3160-3 (APD) for such proposals.

OCD Hobbs

HOBBS OCD

SUBMIT IN TRIPLICATE - Other instructions on page 2 AUG 13 2012

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

RECEIVED

2. Name of Operator

EOG Resources Inc.

3a. Address

P.O. Box 2267 Midland, Texas 79702

3b. Phone No. (include area code)

432-686-3689

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

330 FNL & 430 FWL, NWNW, Sec 8, T25S, R34E

5. Lease Serial No

NNM18640A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No

Diamond 8 Fed Com 4H

9. API Well No

30-025-40189

10. Field and Pool, or Exploratory Area

Red Hills Bone Spring

11. County or Parish, State

Lea NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize☐ Deepen☐ Production (Start/Resume)☐ Water Shut-Off☐ Alter Casing☐ Fracture Treat☐ Reclamation☐ Well Integrity☐ Casing Repair☐ New Construction☐ Recomplete☒ Other☐ Change Plans☐ Plug and Abandon☐ Temporarily Abandon

KO Plug

☐ Convert to Injection☐ Plug Back☐ Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

EOG Resources intends to set a kick-off plug and sidetrack as follows:

Pump balance plug as follows. Pump 18 bbls of fresh water spacer ahead + 300 sx Class H, 18.0 ppg, 0.8911 yld. (Class H + 1.5% CD32 + 0.2% R3) Displace w/ 2 bbls fresh water + 140 bbls mud. Top of plug should be 8522'. WOC at least 18 hrs. Dress off to the new KOP of 8800' MD, 8787' TVD

The reason for the sidetrack is due to placing a 32.26* dog leg at the very beginning of the original curve. This severe dog leg makes it impossible to rotate tubulars through, and was unacceptable for the future casing string.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Stan Wagner

Title Regulatory Analyst

Signature

Date 7/26/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title Petroleum Engineer

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

AUG 14 2012

APPROVED

AUG 7 2012

/s/ Chris Walls

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

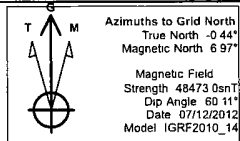
Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

AUG 13 2012

EOG Resources

Project: Lea County, NM (Nad27)
Site: Diamond 8 Federal
Well: Diamond 8 Fed Com 4H
Wellbore: Wellbore #1
Plan: Plan #5 072512
Rig: Cactus Rig No. 123

PROJECT DETAILS Lea County, NM (Nad27)
 Geodetic System US State Plane 1927 (Exact solution)
 Datum NAD 1927 (NADCON CONUS)
 Ellipsoid Clarke 1866
 Zone New Mexico East 3001
 System Datum Mean Sea Level
 Location North Grid



WELL DETAILS: Diamond 8 Fed Com 4H

Northing 419755.70
 Ground Level 3398.80
 Easting 758329.50
 Latitude 32° 9' 4.5805 N
 Longitude 103° 29' 55.0957 W

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BHL Diamond Fed 4H	9469.85	-4716.59	36.22	415039.11	758365.72	

SECTION DETAILS

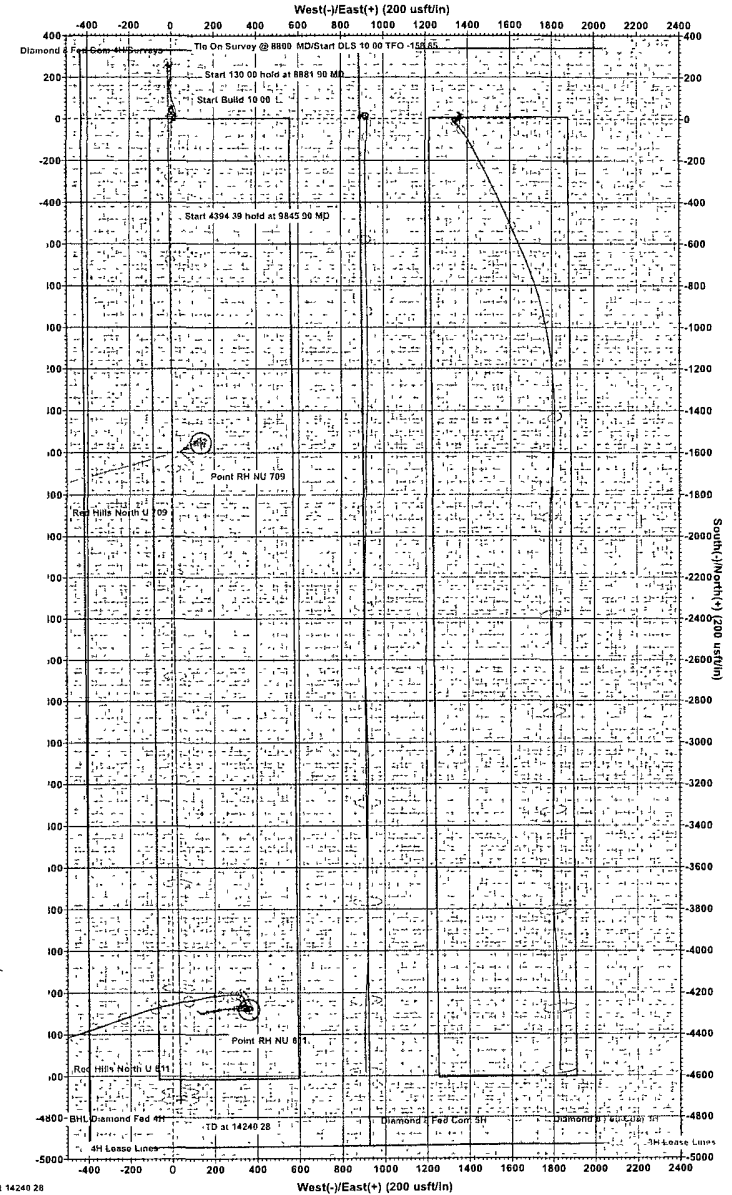
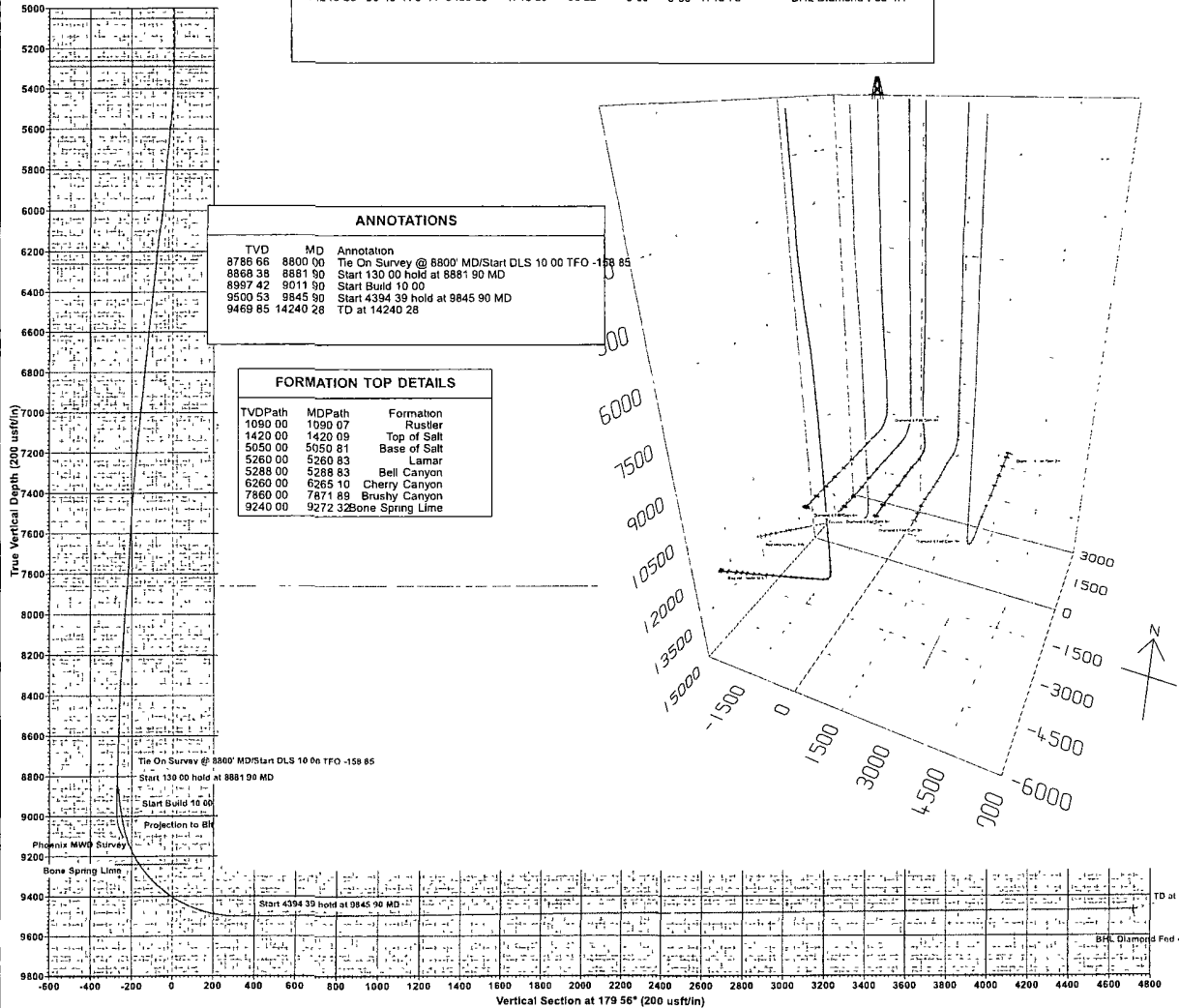
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	
8800.00	1.29	334.46	8786.66	270.12	-14.97	0.00	0.00	-270.22	
8881.90	7.00	179.41	8868.38	265.95	-15.31	10.00	-158.85	-266.06	BHL Diamond Fed 4H
9011.90	7.00	179.41	8997.42	250.11	-15.15	0.00	0.00	-250.22	BHL Diamond Fed 4H
9845.90	90.40	179.41	9500.53	-322.55	-9.23	10.00	0.00	322.47	BHL Diamond Fed 4H
14240.28	90.40	179.41	9469.85	-4716.59	36.22	0.00	0.00	4716.73	BHL Diamond Fed 4H

ANNOTATIONS

TVD MD Annotation
 8786.66 8800.00 Tie On Survey @ 8800' MD/Start DLS 10.00 TFO -158.85
 8868.38 8881.90 Start 130.00 hold at 8881.90 MD
 8997.42 9011.90 Start Build 10.00
 9500.53 9845.90 Start 4394.39 hold at 9845.90 MD
 9469.85 14240.28 TD at 14240.28

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1090.00	1090.07	Rustler
1420.00	1420.09	Top of Salt
5050.00	5050.81	Base of Salt
5260.00	5260.83	Lamar
5288.00	5288.83	Bell Canyon
6260.00	6265.10	Cherry Canyon
7860.00	7871.89	Brushy Canyon
9240.00	9272.32	Bone Spring Lime



EOG Resources

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

Plan: Plan #5 072512

EOG Resources

25 July, 2012

HOBBS OCD

AUG 13 2012

RECEIVED



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:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #5 072512	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	Latitude:	32° 9' 4.5805 N	
From:	Map	Easting:	758,329.50	usft	Longitude:	103° 29' 55.0957 W	
Position Uncertainty:	0.00	usft	Slot Radius:	13-3/16	"	Grid Convergence:	0.44 °

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

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

Design:		Plan #5 072512		
Audit Notes:				
Version:		Phase:	PLAN	Tie On Depth: 8,800.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.00	0.00	0.00	179.56

Phoenix Technology Services
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Site:	Diamond 8 Federal	MD Reference:	WELL @ 3428 80usft (Original Well Elev + 30' KB)
Well:	Diamond 8 Fed Com 4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #5 072512	Database:	GCR DB v5000

Survey/Tool/Program		Date	07/25/12		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.00	1,165.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard	
1,291.00	8,800.00	Phoenix MWD Survey (Wellbore #1)	MWD	MWD - Standard	
8,800.00	14,240.28	Plan #5 072512 (Wellbore #1)	MWD	MWD - Standard	

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)	
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	
1,200.00	0.38	158.18	-2,228.88	1,199.92	-10.49	6.76	10.54	0.27	419,745.21	758,336.26	
1,300.00	0.62	189.59	-2,128.88	1,299.92	-11.34	6.79	11.39	0.35	419,744.36	758,336.29	
1,400.00	0.82	204.28	-2,028.89	1,399.91	-12.52	6.41	12.57	0.28	419,743.18	758,335.91	
1,500.00	1.07	207.31	-1,928.90	1,499.90	-13.97	5.63	14.01	0.25	419,741.73	758,335.13	
1,600.00	1.39	196.62	-1,828.93	1,599.87	-15.96	4.85	16.00	0.39	419,739.74	758,334.35	
1,700.00	1.36	201.20	-1,728.96	1,699.84	-18.46	4.18	18.50	0.11	419,737.24	758,333.68	
1,800.00	1.01	241.97	-1,628.98	1,799.82	-19.98	2.98	20.00	0.89	419,735.72	758,332.48	
1,900.00	1.17	269.97	-1,529.00	1,899.80	-20.25	1.12	20.26	0.55	419,735.45	758,330.62	

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:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #5, 072512	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)	
2,000.00	1.33	275.62	-1,429.02	1,999.78	-20.14	-1.05	20.13	0.20	419,735.56	758,328.45	
2,100.00	1.02	285.89	-1,329.05	2,099.75	-19.79	-3.25	19.76	0.37	419,735.91	758,326.25	
2,200.00	0.53	327.07	-1,229.05	2,199.75	-19.16	-4.36	19.12	0.72	419,736.54	758,325.14	
2,300.00	0.36	9.20	-1,129.06	2,299.74	-18.39	-4.46	18.35	0.36	419,737.31	758,325.04	
2,400.00	0.29	56.59	-1,029.06	2,399.74	-17.94	-4.20	17.90	0.27	419,737.76	758,325.30	
2,500.00	0.62	85.21	-929.06	2,499.74	-17.77	-3.49	17.75	0.39	419,737.93	758,326.01	
2,600.00	1.05	91.48	-829.07	2,599.73	-17.75	-2.04	17.73	0.44	419,737.95	758,327.46	
2,700.00	1.23	74.19	-729.09	2,699.71	-17.53	-0.06	17.53	0.39	419,738.17	758,329.44	
2,800.00	1.49	59.44	-629.12	2,799.68	-16.57	2.10	16.59	0.43	419,739.13	758,331.60	
2,900.00	1.16	41.48	-529.15	2,899.65	-15.15	3.90	15.18	0.53	419,740.55	758,333.40	
3,000.00	1.01	15.02	-429.16	2,999.64	-13.54	4.78	13.58	0.52	419,742.16	758,334.28	
3,100.00	1.21	3.77	-329.18	3,099.62	-11.63	5.07	11.67	0.30	419,744.07	758,334.57	
3,200.00	1.38	358.37	-229.21	3,199.59	-9.33	5.06	9.37	0.20	419,746.37	758,334.56	
3,300.00	1.27	5.22	-129.24	3,299.56	-7.03	5.13	7.07	0.19	419,748.67	758,334.63	
3,400.00	1.29	17.95	-29.26	3,399.54	-4.91	5.50	4.95	0.28	419,750.79	758,335.00	
3,500.00	1.70	35.58	70.71	3,499.51	-2.63	6.71	2.68	0.61	419,753.07	758,336.21	
3,600.00	1.61	37.89	170.65	3,599.45	-0.17	8.75	0.24	0.11	419,755.53	758,338.25	
3,700.00	0.75	7.11	270.63	3,699.43	1.59	9.69	-1.51	1.04	419,757.29	758,339.19	
3,800.00	0.66	295.08	370.63	3,799.43	2.46	9.16	-2.39	0.83	419,758.16	758,338.66	
3,900.00	1.08	262.88	470.62	3,899.42	2.58	7.71	-2.52	0.63	419,758.28	758,337.21	
4,000.00	0.93	253.80	570.60	3,999.40	2.14	5.76	-2.09	0.22	419,757.84	758,335.26	
4,100.00	0.34	234.83	670.59	4,099.39	1.74	4.74	-1.71	0.62	419,757.44	758,334.24	
4,200.00	0.33	179.19	770.59	4,199.39	1.34	4.59	-1.30	0.31	419,757.04	758,334.09	
4,300.00	0.56	164.70	870.59	4,299.39	0.59	4.72	-0.55	0.25	419,756.29	758,334.22	
4,400.00	0.99	159.58	970.58	4,399.38	-0.66	5.14	0.70	0.43	419,755.04	758,334.64	
4,500.00	1.46	157.71	1,070.55	4,499.35	-2.64	5.92	2.69	0.47	419,753.06	758,335.42	
4,600.00	1.22	131.42	1,170.53	4,599.33	-4.60	7.19	4.66	0.65	419,751.10	758,336.69	

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:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #5 072512	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)	
4,700.00	1 30	97.81	1,270.50	4,699.30	-5.45	9 12	5.52	0.73	419,750.25	758,338.62	
4,800.00	1.57	98.78	1,370.47	4,799.27	-5.82	11 59	5.90	0.26	419,749.88	758,341.09	
4,900.00	1.73	99.35	1,470.43	4,899.23	-6.28	14 51	6.40	0.17	419,749.42	758,344.01	
5,000.00	1.10	98.63	1,570.40	4,999.20	-6.67	16.95	6.80	0.63	419,749.03	758,346.45	
5,100.00	0.47	82.44	1,670.39	5,099.19	-6.84	18 30	6.98	0.66	419,748.86	758,347.80	
5,200.00	0.83	51.45	1,770.38	5,199.18	-6.30	19.14	6.45	0.49	419,749.40	758,348.64	
5,300.00	1 57	24.49	1,870.36	5,299.16	-4.83	20 43	4.98	0.91	419,750.87	758,349.93	
5,400.00	2.86	5.72	1,970.29	5,399.09	-1 10	21 25	1.26	1.46	419,754.60	758,350.75	
5,500.00	4 43	1 68	2,070.08	5,498.88	5 19	21.54	-5.02	1 59	419,760.89	758,351.04	
5,600.00	6.13	1.02	2,169.66	5,598.46	14 38	21 75	-14.22	1.69	419,770.08	758,351.25	
5,700.00	5 75	359.01	2,269.07	5,697.87	25 23	21 80	-25.07	0.43	419,780.93	758,351.30	
5,800.00	4 59	355.24	2,368.66	5,797.46	34.24	21 38	-34.07	1.21	419,789.94	758,350.88	
5,900.00	5.25	348.65	2,468.31	5,897.11	42.45	20.21	-42.30	0.86	419,798.15	758,349.71	
6,000.00	6.31	343.82	2,567.80	5,996.60	52.22	17.77	-52.08	1 17	419,807.92	758,347.27	
6,100.00	6 49	340.65	2,667.17	6,095.97	62 89	14 35	-62.77	0.39	419,818.59	758,343.85	
6,200.00	6 60	337.76	2,766.52	6,195.32	73 53	10.29	-73.45	0.35	419,829.23	758,339.79	
6,300.00	6.43	341.08	2,865.87	6,294.67	84.15	6 30	-84.10	0.41	419,839.85	758,335.80	
6,400.00	6 30	344.13	2,965.26	6,394.06	94 72	3.02	-94.69	0.36	419,850.42	758,332.52	
6,500.00	6.30	344.40	3,064.66	6,493.46	105.28	0.05	-105.28	0 03	419,860.98	758,329.55	
6,600.00	6 21	345.69	3,164.05	6,592.85	115 84	-2 85	-115.86	0.17	419,871.54	758,326.65	
6,700.00	5 89	350.38	3,263.50	6,692.30	126.14	-5.05	-126.18	0.59	419,881.84	758,324.45	
6,800.00	5 68	354.53	3,362.99	6,791.79	136.09	-6 31	-136.14	0 47	419,891.79	758,323.19	
6,900.00	5 63	356.95	3,462.51	6,891.31	145.91	-7 05	-145.96	0 24	419,901.61	758,322.45	
7,000.00	5.53	359.28	3,562.03	6,990.83	155.65	-7 36	-155.70	0 25	419,911.35	758,322.14	
7,100.00	5 37	1 54	3,661.58	7,090.38	165 14	-7 30	-165.19	0.27	419,920.84	758,322.20	
7,200.00	5 12	4.11	3,761.16	7,189.96	174 30	-6.85	-174.35	0 34	419,930.00	758,322.65	
7,300.00	4 81	7 14	3,860.78	7,289.58	182.91	-6 01	-182.95	0 41	419,938.61	758,323.49	

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:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #5 072512	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)
7,400.00	4.32	8.50	3,960.46	7,389.26	190.84	-4.88	-190.88	0.49	419,946.54	758,324.62
7,500.00	3.74	8.88	4,060.21	7,489.01	197.80	-3.82	-197.82	0.58	419,953.50	758,325.68
7,600.00	3.92	7.98	4,160.00	7,588.80	204.24	-2.84	-204.26	0.18	419,959.94	758,326.66
7,700.00	4.34	6.85	4,259.74	7,688.54	211.38	-1.92	-211.38	0.43	419,967.08	758,327.58
7,800.00	4.00	6.31	4,359.47	7,788.27	218.69	-1.08	-218.70	0.34	419,974.39	758,328.42
7,900.00	3.52	5.73	4,459.25	7,888.05	225.22	-0.39	-225.21	0.48	419,980.92	758,329.11
8,000.00	3.87	353.04	4,559.05	7,987.85	231.59	-0.46	-231.59	0.89	419,987.29	758,329.04
8,100.00	4.38	342.97	4,658.79	8,087.59	238.63	-2.02	-238.64	0.88	419,994.33	758,327.48
8,200.00	3.96	342.19	4,758.52	8,187.32	245.56	-4.20	-245.59	0.43	420,001.26	758,325.30
8,300.00	3.52	341.00	4,858.31	8,287.11	251.76	-6.24	-251.80	0.44	420,007.46	758,323.26
8,400.00	3.01	338.00	4,958.15	8,386.95	257.10	-8.23	-257.16	0.53	420,012.80	758,321.27
8,500.00	2.53	334.14	5,058.03	8,486.83	261.51	-10.18	-261.58	0.52	420,017.21	758,319.32
8,600.00	2.08	330.54	5,157.95	8,586.75	265.08	-12.04	-265.16	0.47	420,020.78	758,317.46
8,700.00	1.66	328.77	5,257.90	8,686.70	267.86	-13.73	-267.96	0.42	420,023.56	758,315.77
8,800.00	1.29	334.46	5,357.86	8,786.66	270.12	-14.97	-270.22	0.40	420,025.82	758,314.53
Tie On Survey @ 8800' MD/Start DLS 10.00 TFO -158.85'										
8,881.90	7.00	179.41	5,439.58	8,868.38	265.95	-15.31	-266.06	10.00	420,021.65	758,314.19
Start 130.00 hold at 8881.90 MD										
8,900.00	7.00	179.41	5,457.55	8,886.35	263.75	-15.29	-263.86	0.00	420,019.45	758,314.21
9,000.00	7.00	179.41	5,556.81	8,985.61	251.56	-15.16	-251.67	0.00	420,007.26	758,314.34
9,011.90	7.00	179.41	5,568.62	8,997.42	250.11	-15.15	-250.22	0.00	420,005.81	758,314.35
Start Build 10.00										
9,100.00	15.81	179.41	5,654.89	9,083.69	232.71	-14.97	-232.82	10.00	419,988.41	758,314.53
9,200.00	25.81	179.41	5,748.25	9,177.05	197.23	-14.60	-197.33	10.00	419,952.93	758,314.90
9,272.32	33.04	179.41	5,811.20	9,240.00	161.72	-14.24	-161.82	10.00	419,917.42	758,315.26
Bone Spring Lime										
9,300.00	35.81	179.41	5,834.03	9,262.83	146.08	-14.07	-146.18	10.00	419,901.78	758,315.43

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:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #5: 072512	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)	
9,400.00	45.81	179.41	5,909.62	9,338.42	80.81	-13.40	-80.91	10.00	419,836.51	758,316.10	
9,500.00	55.81	179.41	5,972.73	9,401.53	3.40	-12.60	-3.50	10.00	419,759.10	758,316.90	
9,600.00	65.81	179.41	6,021.44	9,450.24	-83.78	-11.70	83.69	10.00	419,671.92	758,317.80	
9,700.00	75.81	179.41	6,054.27	9,483.07	-178.10	-10.72	178.01	10.00	419,577.60	758,318.78	
9,800.00	85.81	179.41	6,070.22	9,499.02	-276.69	-9.70	276.60	10.00	419,479.01	758,319.80	
9,845.90	90.40	179.41	6,071.73	9,500.53	-322.55	-9.23	322.47	10.00	419,433.15	758,320.27	
Start 4394.39 hold at 9845.90 MD											
9,900.00	90.40	179.41	6,071.36	9,500.16	-376.64	-8.67	376.57	0.00	419,379.06	758,320.83	
10,000.00	90.40	179.41	6,070.66	9,499.46	-476.64	-7.63	476.56	0.00	419,279.06	758,321.87	
10,100.00	90.40	179.41	6,069.96	9,498.76	-576.63	-6.60	576.56	0.00	419,179.07	758,322.90	
10,200.00	90.40	179.41	6,069.26	9,498.06	-676.62	-5.56	676.56	0.00	419,079.08	758,323.94	
10,300.00	90.40	179.41	6,068.56	9,497.36	-776.61	-4.53	776.55	0.00	418,979.09	758,324.97	
10,400.00	90.40	179.41	6,067.86	9,496.66	-876.60	-3.50	876.55	0.00	418,879.10	758,326.00	
10,500.00	90.40	179.41	6,067.17	9,495.97	-976.60	-2.46	976.55	0.00	418,779.10	758,327.04	
10,600.00	90.40	179.41	6,066.47	9,495.27	-1,076.59	-1.43	1,076.55	0.00	418,679.11	758,328.07	
10,700.00	90.40	179.41	6,065.77	9,494.57	-1,176.58	-0.39	1,176.54	0.00	418,579.12	758,329.11	
10,800.00	90.40	179.41	6,065.07	9,493.87	-1,276.57	0.64	1,276.54	0.00	418,479.13	758,330.14	
10,900.00	90.40	179.41	6,064.37	9,493.17	-1,376.57	1.67	1,376.54	0.00	418,379.13	758,331.17	
11,000.00	90.40	179.41	6,063.68	9,492.48	-1,476.56	2.71	1,476.53	0.00	418,279.14	758,332.21	
11,100.00	90.40	179.41	6,062.98	9,491.78	-1,576.55	3.74	1,576.53	0.00	418,179.15	758,333.24	
11,200.00	90.40	179.41	6,062.28	9,491.08	-1,676.54	4.78	1,676.53	0.00	418,079.16	758,334.28	
11,300.00	90.40	179.41	6,061.58	9,490.38	-1,776.53	5.81	1,776.53	0.00	417,979.17	758,335.31	
11,400.00	90.40	179.41	6,060.88	9,489.68	-1,876.53	6.85	1,876.52	0.00	417,879.17	758,336.35	
11,500.00	90.40	179.41	6,060.19	9,488.99	-1,976.52	7.88	1,976.52	0.00	417,779.18	758,337.38	
11,600.00	90.40	179.41	6,059.49	9,488.29	-2,076.51	8.91	2,076.52	0.00	417,679.19	758,338.41	
11,700.00	90.40	179.41	6,058.79	9,487.59	-2,176.50	9.95	2,176.52	0.00	417,579.20	758,339.45	
11,800.00	90.40	179.41	6,058.09	9,486.89	-2,276.50	10.98	2,276.51	0.00	417,479.20	758,340.48	

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:	Grid
Wellbore:	Wellbore.#1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #5 072512	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)	
11,900.00	90.40	179.41	6,057.39	9,486.19	-2,376.49	12.02	2,376.51	0.00	417,379.21	758,341.52	
12,000.00	90.40	179.41	6,056.69	9,485.49	-2,476.48	13.05	2,476.51	0.00	417,279.22	758,342.55	
12,100.00	90.40	179.41	6,056.00	9,484.80	-2,576.47	14.09	2,576.50	0.00	417,179.23	758,343.59	
12,200.00	90.40	179.41	6,055.30	9,484.10	-2,676.46	15.12	2,676.50	0.00	417,079.24	758,344.62	
12,300.00	90.40	179.41	6,054.60	9,483.40	-2,776.46	16.15	2,776.50	0.00	416,979.24	758,345.65	
12,400.00	90.40	179.41	6,053.90	9,482.70	-2,876.45	17.19	2,876.50	0.00	416,879.25	758,346.69	
12,500.00	90.40	179.41	6,053.20	9,482.00	-2,976.44	18.22	2,976.49	0.00	416,779.26	758,347.72	
12,600.00	90.40	179.41	6,052.51	9,481.31	-3,076.43	19.26	3,076.49	0.00	416,679.27	758,348.76	
12,700.00	90.40	179.41	6,051.81	9,480.61	-3,176.43	20.29	3,176.49	0.00	416,579.27	758,349.79	
12,800.00	90.40	179.41	6,051.11	9,479.91	-3,276.42	21.32	3,276.48	0.00	416,479.28	758,350.82	
12,900.00	90.40	179.41	6,050.41	9,479.21	-3,376.41	22.36	3,376.48	0.00	416,379.29	758,351.86	
13,000.00	90.40	179.41	6,049.71	9,478.51	-3,476.40	23.39	3,476.48	0.00	416,279.30	758,352.89	
13,100.00	90.40	179.41	6,049.02	9,477.82	-3,576.39	24.43	3,576.48	0.00	416,179.31	758,353.93	
13,200.00	90.40	179.41	6,048.32	9,477.12	-3,676.39	25.46	3,676.47	0.00	416,079.31	758,354.96	
13,300.00	90.40	179.41	6,047.62	9,476.42	-3,776.38	26.50	3,776.47	0.00	415,979.32	758,356.00	
13,400.00	90.40	179.41	6,046.92	9,475.72	-3,876.37	27.53	3,876.47	0.00	415,879.33	758,357.03	
13,500.00	90.40	179.41	6,046.22	9,475.02	-3,976.36	28.56	3,976.46	0.00	415,779.34	758,358.06	
13,600.00	90.40	179.41	6,045.52	9,474.32	-4,076.35	29.60	4,076.46	0.00	415,679.35	758,359.10	
13,700.00	90.40	179.41	6,044.83	9,473.63	-4,176.35	30.63	4,176.46	0.00	415,579.35	758,360.13	
13,800.00	90.40	179.41	6,044.13	9,472.93	-4,276.34	31.67	4,276.46	0.00	415,479.36	758,361.17	
13,900.00	90.40	179.41	6,043.43	9,472.23	-4,376.33	32.70	4,376.45	0.00	415,379.37	758,362.20	
14,000.00	90.40	179.41	6,042.73	9,471.53	-4,476.32	33.73	4,476.45	0.00	415,279.38	758,363.23	
14,100.00	90.40	179.41	6,042.03	9,470.83	-4,576.32	34.77	4,576.45	0.00	415,179.38	758,364.27	
14,200.00	90.40	179.41	6,041.34	9,470.14	-4,676.31	35.80	4,676.45	0.00	415,079.39	758,365.30	
14,240.28	90.40	179.41	6,041.05	9,469.85	-4,716.59	36.22	4,716.73	0.00	415,039.11	758,365.72	
TD at 14240.28											

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:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #5 072512	Database:	GCR DB:v5000

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction
9,272.32	9,240.00	Bone Spring Lime			

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8,800.00	8,786.66	270.12	-14.97	Tie On Survey @ 8800' MD/Start DLS 10 00 TFO -158.85
8,881.90	8,868.38	265.95	-15.31	Start 130.00 hold at 8881.90 MD
9,011.90	8,997.42	250.11	-15.15	Start Build 10 00
9,845.90	9,500.53	-322.55	-9.23	Start 4394.39 hold at 9845.90 MD
14,240.28	9,469.85	-4,716.59	36.22	TD at 14240.28

Checked By: _____ Approved By: _____ Date: _____