

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

OCD Hobbs
HOBBS OCD

JUL 16 2012

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 20105 Lease Serial No.
NMNM108500

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 4H9 API Well No.
30-025-40189-00-X110 Field and Pool, or Exploratory
RED HILLS11. County or Parish, and State
LEA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

RECEIVED

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EOG RESOURCES INCORPORATED

Contact: STAN WAGNER

E-Mail: stan_wagner@eogresources.com

3a. Address

MIDLAND, TX 79702

3b. Phone No. (include area code)

Ph: 432-686-3689

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

Sec 8 T25S R34E NWNW 330FNL 430FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

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 site is ready for final inspection.)

EOG Resources requests an amendment to our APD for this well to reflect a change in casing as follow:

Change from 11-3/4", 42#, H40 STC To 13-3/8", 54.5#, J55 STC

8-5/8", 32#, J55 & HCK55 LTC To 9-5/8", 40#, J55 & HCK55 LTC

5-1/2", 20#, P110 NSCC To 5-1/2", 17#, P110 LTC

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct	
Electronic Submission #141256 verified by the BLM Well Information System For EOG RESOURCES INCORPORATED, sent to the Hobbs Committed to AFMSS for processing by BEVERLY WEATHERFORD on 07/11/2012 (12BMW0083SE)	
Name (Printed/Typed) STAN WAGNER	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 06/21/2012
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By EDWARD FERNANDEZ	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 Hobbs
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.	

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

WITNESS SURFACE CASING

JUL 17 2012

CONDITIONS OF APPROVAL

Sundry Dated 6/21/2012

OPERATOR'S NAME:	EOG Resources
LEASE NO.:	NM108500
WELL NAME & NO.:	Diamond 8 Fed Com 4H API-30-025-40189
SURFACE HOLE FOOTAGE:	330' FNL & 430' FWL
BOTTOM HOLE FOOTAGE:	330' FSL & 430' FWL
LOCATION:	Section 8, T.25S., R.34E., NMPM
COUNTY:	Lea County, New Mexico

Original COA still applies with the following changes:

1. The 13-3/8 inch surface casing shall be set at **approximately 1220 feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt)** and cemented to the surface. **Additional cement may be required because calculated cement excess is only 24%.**
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry.**
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the 9-5/8 inch intermediate casing is:
 - ☒ Cement to surface. If cement does not circulate see B.1.a, c-d above.
Additional cement will be required as excess calculates to 17%.

Centralizers required on horizontal leg, must be type for horizontal service and a minimum of one every other joint.

CONDITIONS OF APPROVAL

Diamond 8 Fed Com 4H;

API 30-025-40189

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:

☒ Cement should tie-back at least **450 feet** into previous casing string. Operator shall provide method of verification.

4. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

EGF 071212

EOG RESOURCES, INC.
DIAMOND 8 FED COM NO. 4H
REVISED 7/13/12

CASING PROGRAM - NEW

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 - 1220'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0 - 4000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4000'-5150'	9.625"	40#	HCK55	LTC	1.125	1.25	1.60
8.75"	0'-13,912'	5.5"	17#	P110 or HCP110	LTC	1.125	1.25	1.60

Cementing Program:

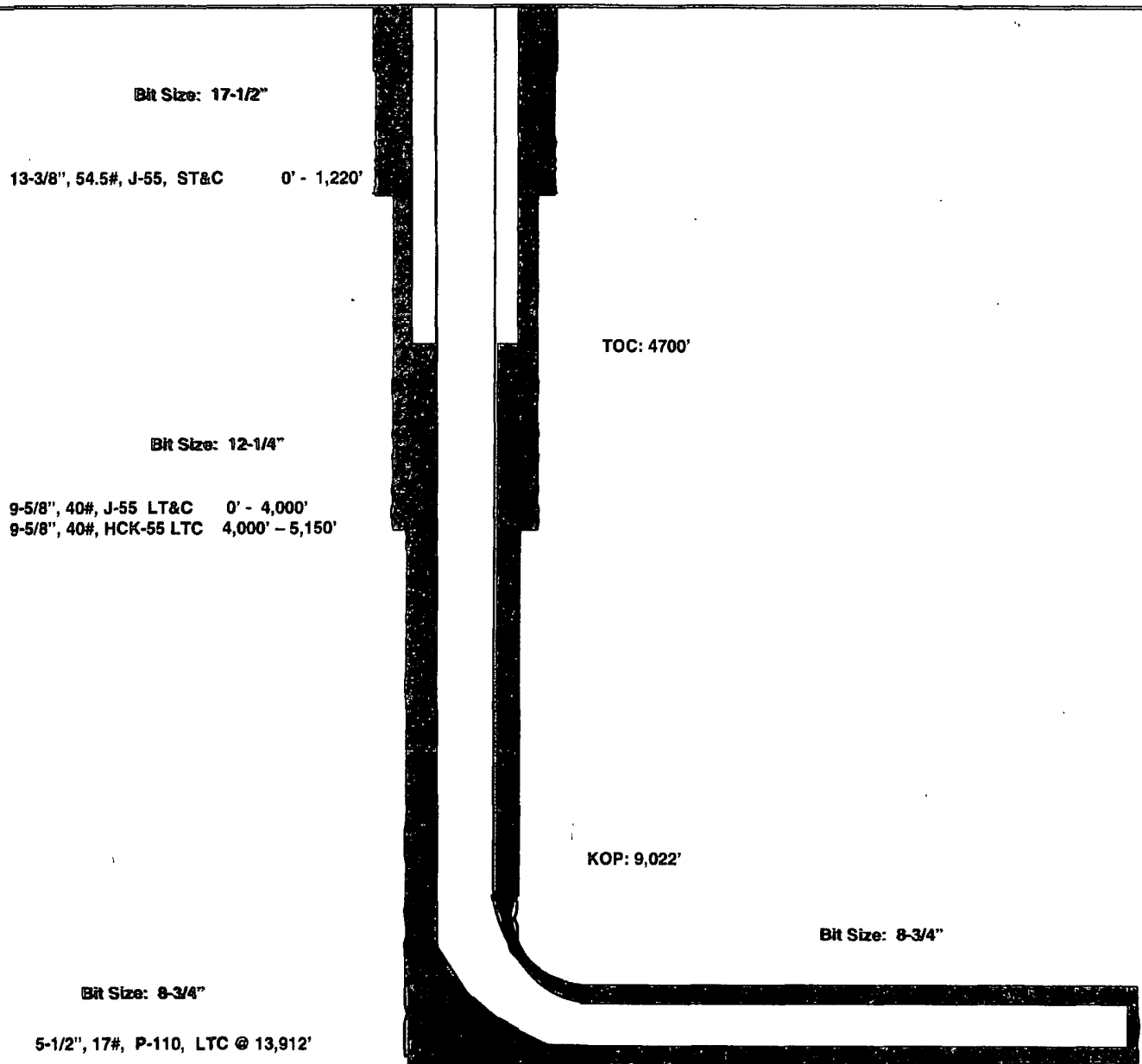
Depth	No. Sacks	Wt. lb/gal	Yld Ft ³ /ft	Slurry Description
1,220'	500	13.5	1.74	Lead: Class 'C' + 4.00% Bentonite + 2.00% CaCl ₂ + 0.25 lb/sk Cello-Flake
	200	14.8	1.35	Tail: Class 'C' + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate + 2.0% KCl (1.06 lb/sk)
5,150'	850	12.7	2.01	Lead: Class 'C' + 1.25% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate
	200	14.8	1.34	Tail: Class 'C' + 0.50% FL-62 + 0.10% SMS + 1.00% CaCl ₂ + 0.50% R-3 + 0.005 lb/sk Static Free
13,912'	200	10.8	3.67	Lead: 60:40:0 Class 'C' + 15.00 lb/sk BA-90 + 4.00% MPA-5 + 3.00% SMS + 5.00% A-10 + 1.00% BA-10A + 0.80% ASA-301 + 2.90% R-21 + 8.00 lb/sk LCM-1 + 0.005 lb/sk Static Free (TOC @ 4700')
	275	11.8	2.38	Middle: 50:50:10 Class 'H' + 0.80% FL-52 + 0.45% ASA-301 + 0.40% SMS + 2.00% Salt + 3.00 lb/sx LCM-1 + 0.20% R-21 + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
	1225	14.2	1.28	Tail: 50:50:2 Class 'H' + 0.65% FL-52 + 0.20% CD-32 + 0.15% SMS + 2.00% Salt + 0.10% R-3 + 0.005 lb/sk Static Free

Note: Cement volumes based on bit size plus at least 25% excess in the open hole plus 10% excess in the cased-hole overlap section.

Diamond 8 Fed Com #4H
Red Hills
Lea County, New Mexico
Proposed Wellbore
REVISED 7/13/12
API: 30-025-

330' FNL
430' FWL
Section 8
T-25-S, R-34-E

KB: 3,428.8'
GL: 3,398.8'



Bone Spring Lateral: 13,912' MD, 9,470' TVD

BH Location: 330' FSL & 430' FWL
Section 8
T-25-S, R-34-E

EOG Resources

Project: Lea County, NM (Nad27)
Site: Diamond 8 Federal
Well: Diamond 8 Fed Com 4H
Wellbore: Wellbore #1
Plan: Plan #2 071212
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



Azimuths to Grid North
 True North -0.44°
 Magnetic North 6.97°
 Magnetic Field
 Strength: 48473.0nT
 Dip Angle: 60.11°
 Date: 07/12/2012
 Model: IGRF2010_14



WELL DETAILS: Diamond 8 Fed Com 4H

Ground Level: 3398.80
 Northing: 419755.70
 Easting: 758326.50
 Latitude: 32° 0' 4.5805 N
 Longitude: 103° 29' 55.9957 W

WELLDORB TARGET DETAILS (MAP CO-ORDINATED)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BHL Diamond Fed 4H	9470.00	-4616.60	35.50	415139.10	758365.00	

SECTION DETAILS

MD	Inc	Adj	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9022.87	0.00	0.00	9022.87	0.00	0.00	0.00	0.00	0.00
9778.37	90.42	179.56	9500.32	-480.95	3.70	12.00	179.56	480.96
13912.25	90.42	179.56	9470.00	-4616.60	35.50	0.00	0.00	4616.74

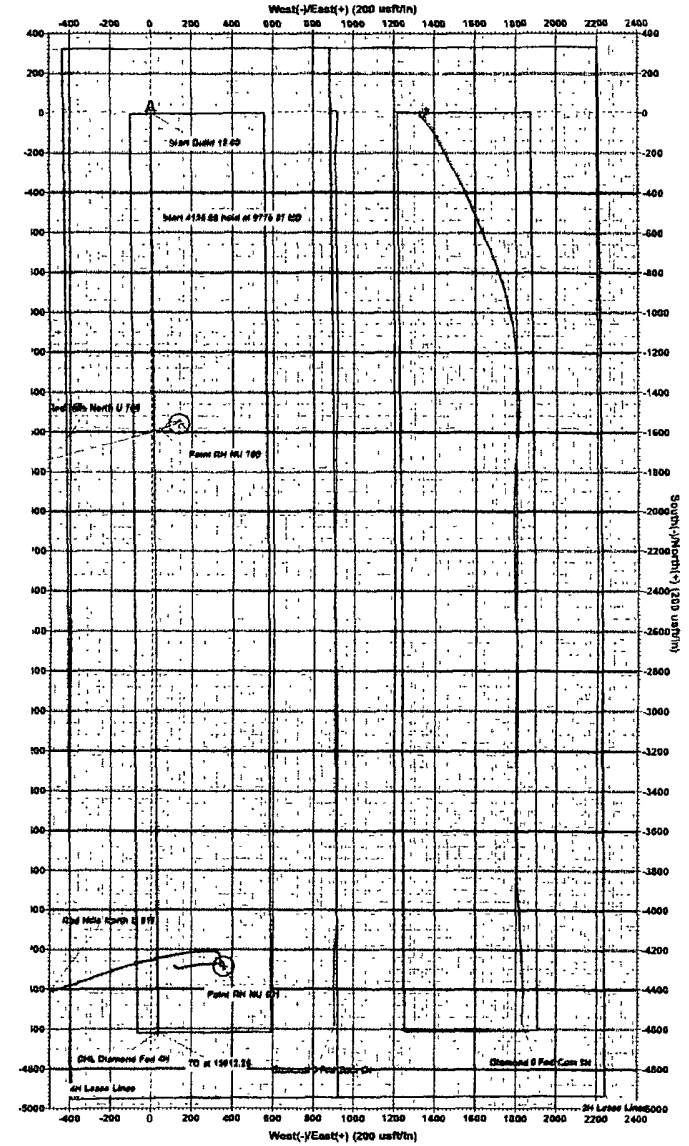
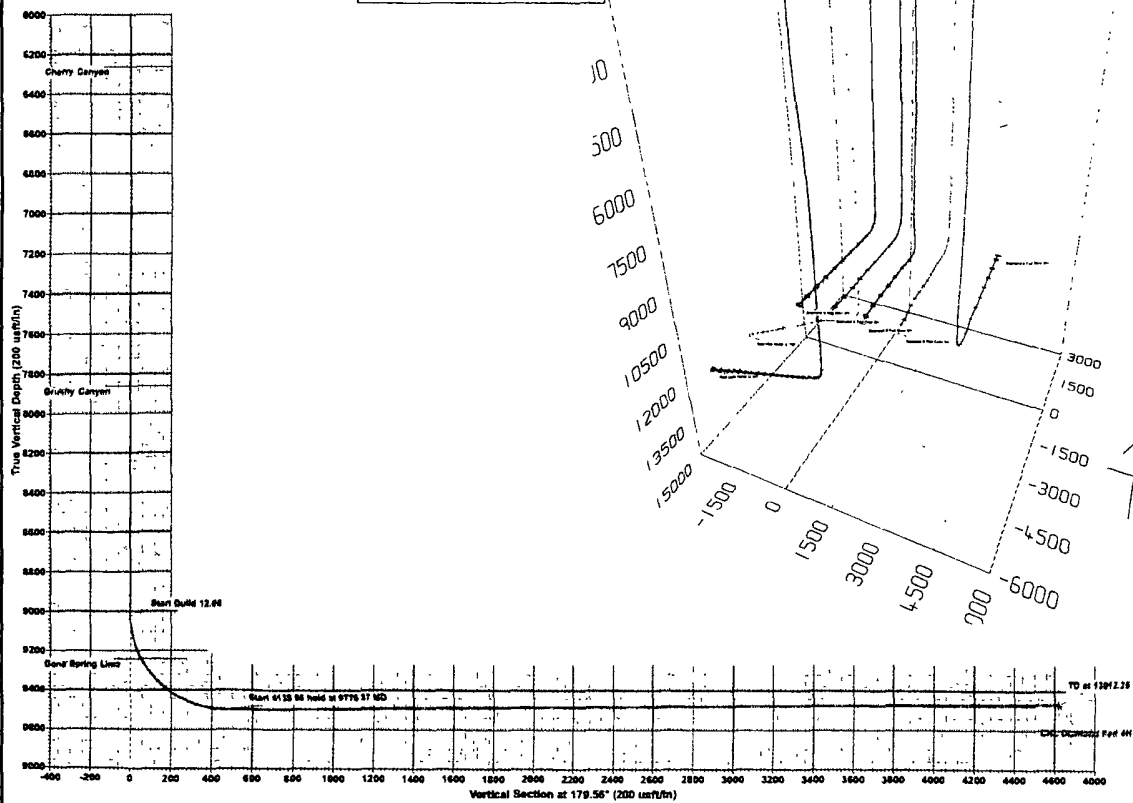
BHL Diamond Fed 4H

ANNOTATIONS

TVD	MD	Annotation
9022.87	9022.87	Start Build 12.00
9500.32	9778.37	Start 4135.88 hold at 9778.37 MD
9470.00	13912.25	TD at 13912.25

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1090.00	1090.00	Rustler
1420.00	1420.00	Top of Salt
5050.00	5050.00	Base of Salt
5260.00	5260.00	Lunar
5288.00	5288.00	Ball Canyon
6280.00	6280.00	Cherry Canyon
7860.00	7860.00	Brushy Canyon
9240.00	9248.28	Bone Spring Lime



EOG Resources

Lea County, NM (Nad27)

Diamond 8 Federal

Diamond 8 Fed Com 4H

Wellbore #1

Plan: Plan #2 071212

EOG Resources

12 July, 2012



Phoenix Technology Services
EOG Resources



EOG Resources	Lea County, NM (Nad27)	Local Coordinates: Wellbore	Well Diamond 8 Fed Com 4H
Lea County, NM (Nad27)	Diamond 8 Federal	TSD Reference	WELL @ 3428.80usft (Original Well Elev + 30' KB)
Diamond 8 Fed Com 4H	Wellbore #1	ED Reference	WELL @ 3428.80usft (Original Well Elev + 30' KB)
Plan #2 071212		Survey Date/Time	Grid
		Survey Date/Time	Minimum Curvature
		Survey Date/Time	GCR DB v5000

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		

Diamond 8 Federal			
Site Position:		Northings:	419,755.70 usft
From:	Map	Easting:	758,329.50 usft
Position Uncertainty:	0.00 usft	Grid Radius:	13-3/16 "
		Latitude:	32° 9' 4.5805 N
		Longitude:	103° 29' 55.0957 W
		Grid Convergence:	0.44 "

Diamond 8 Fed Com 4H						
Well Position	+N/-S	0.00 usft	Northings:	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 #1					
IGRF2010_14	07/12/12	7.41	60.11	48,473	

Plan #2 071212					
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Accuracy	Horizontal Accuracy (Feet)	4N/5	4E/5	0.00	
		(usft)	(usft)	179.56	

Date 07/12/12					
0.00	13,912.25	Plan #2 071212 (Wellbore #1)	MWD	MWD - Standard	

Phoenix Technology Services
EOG Resources



Client:	EOG Resources	Location:	Lea County, NM (Nad27)
Well:	Diamond 8 Federal	Well ID:	Diamond 8 Fed Com 4H
Wellbore:	Wellbore #1	Well Depth:	3428.80usft (Original Well Elev + 30' KB)
Plan:	Plan #2 071212	Well Elev:	3428.80usft (Original Well Elev + 30' KB)
		Grid:	Grid
		Minimum Curvature:	Minimum Curvature
		GCR DB:	GCR DB v5000

Depth (ft)	True Vertical Depth (ft)	Wellbore Depth (ft)	Wellbore Depth (ft)	Wellbore Depth (ft)	Wellbore Depth (ft)	Wellbore Depth (ft)	Wellbore Depth (ft)	Wellbore Depth (ft)	Wellbore Depth (ft)	Wellbore Depth (ft)	Wellbore Depth (ft)	Wellbore Depth (ft)
0.00	0.00	0.00	-3,428.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
100.00	0.00	0.00	-3,328.80	100.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
200.00	0.00	0.00	-3,228.80	200.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
300.00	0.00	0.00	-3,128.80	300.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
400.00	0.00	0.00	-3,028.80	400.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
500.00	0.00	0.00	-2,928.80	500.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
600.00	0.00	0.00	-2,828.80	600.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
700.00	0.00	0.00	-2,728.80	700.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
800.00	0.00	0.00	-2,628.80	800.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
900.00	0.00	0.00	-2,528.80	900.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
1,000.00	0.00	0.00	-2,428.80	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
1,090.00	0.00	0.00	-2,338.80	1,090.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
Ruotier												
1,100.00	0.00	0.00	-2,328.80	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
1,200.00	0.00	0.00	-2,228.80	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
1,300.00	0.00	0.00	-2,128.80	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
1,400.00	0.00	0.00	-2,028.80	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
1,420.00	0.00	0.00	-2,008.80	1,420.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
Top of Salt												
1,500.00	0.00	0.00	-1,928.80	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
1,600.00	0.00	0.00	-1,828.80	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
1,700.00	0.00	0.00	-1,728.80	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
1,800.00	0.00	0.00	-1,628.80	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
1,900.00	0.00	0.00	-1,528.80	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
2,000.00	0.00	0.00	-1,428.80	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
2,100.00	0.00	0.00	-1,328.80	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
2,200.00	0.00	0.00	-1,228.80	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Coordinates Reference:	Well Diamond 8 Fed Com 4H
Project:	Lea County, NM (Nad27)	11D Reference:	WELL @ 3428.80ust (Original Well Elev + 30' KB)
Well:	Diamond 8 Federal	81D Reference:	WELL @ 3428.80ust (Original Well Elev + 30' KB)
Section:	Diamond 8 Fed Com 4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Diagram:	Plan #2 071212	Database:	GCR DB v5000

Depth (ft)	True Vertical Depth (ft)	Measured Depth (ft)	True Depth (ft)	True Depth (ft)	True Depth (ft)	True Depth (ft)	True Depth (ft)	True Depth (ft)	True Depth (ft)	True Depth (ft)	True Depth (ft)
2,300.00	0.00	0.00	-1,128.80	2,300.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
2,400.00	0.00	0.00	-1,028.80	2,400.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
2,500.00	0.00	0.00	-928.80	2,500.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
2,600.00	0.00	0.00	-828.80	2,600.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
2,700.00	0.00	0.00	-728.80	2,700.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
2,800.00	0.00	0.00	-628.80	2,800.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
2,900.00	0.00	0.00	-528.80	2,900.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
3,000.00	0.00	0.00	-428.80	3,000.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
3,100.00	0.00	0.00	-328.80	3,100.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
3,200.00	0.00	0.00	-228.80	3,200.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
3,300.00	0.00	0.00	-128.80	3,300.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
3,400.00	0.00	0.00	-28.80	3,400.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
3,500.00	0.00	0.00	71.20	3,500.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
3,600.00	0.00	0.00	171.20	3,600.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
3,700.00	0.00	0.00	271.20	3,700.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
3,800.00	0.00	0.00	371.20	3,800.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
3,900.00	0.00	0.00	471.20	3,900.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
4,000.00	0.00	0.00	571.20	4,000.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
4,100.00	0.00	0.00	671.20	4,100.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
4,200.00	0.00	0.00	771.20	4,200.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
4,300.00	0.00	0.00	871.20	4,300.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
4,400.00	0.00	0.00	971.20	4,400.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
4,500.00	0.00	0.00	1,071.20	4,500.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
4,600.00	0.00	0.00	1,171.20	4,600.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
4,700.00	0.00	0.00	1,271.20	4,700.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
4,800.00	0.00	0.00	1,371.20	4,800.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
4,900.00	0.00	0.00	1,471.20	4,900.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinates Reference:	Well Diamond 8 Fed Com 4H
Location:	Lea County, NM (Nad27)	1983 Reference:	WELL @ 3428.80uft (Original Well Elev + 30' KB)
Field:	Diamond 8 Federal	833 Reference:	WELL @ 3428.80uft (Original Well Elev + 30' KB)
Well:	Diamond 8 Fed Com 4H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Coordinates Reference:	Minimum Curvature
Plan:	Plan #2 071212	Database:	GCR DB v5000

Depth (ft)	Depth (m)	True Depth (ft)	True Depth (m)	TVL (in)	TVL (mm)	EW (in)	EW (mm)	Y-Ref (in)	Y-Ref (mm)	Depth (ft)	Depth (m)
5,000.00	0.00	0.00	1,571.20	5,000.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
5,050.00	0.00	0.00	1,621.20	5,050.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
Base of Salt											
5,100.00	0.00	0.00	1,671.20	5,100.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
5,200.00	0.00	0.00	1,771.20	5,200.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
5,260.00	0.00	0.00	1,831.20	5,260.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
Lamar											
5,288.00	0.00	0.00	1,859.20	5,288.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
Bell Canyon											
5,300.00	0.00	0.00	1,871.20	5,300.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
5,400.00	0.00	0.00	1,971.20	5,400.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
5,500.00	0.00	0.00	2,071.20	5,500.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
5,600.00	0.00	0.00	2,171.20	5,600.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
5,700.00	0.00	0.00	2,271.20	5,700.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
5,800.00	0.00	0.00	2,371.20	5,800.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
5,900.00	0.00	0.00	2,471.20	5,900.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
6,000.00	0.00	0.00	2,571.20	6,000.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
6,100.00	0.00	0.00	2,671.20	6,100.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
6,200.00	0.00	0.00	2,771.20	6,200.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
6,260.00	0.00	0.00	2,831.20	6,260.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
Cherry Canyon											
6,300.00	0.00	0.00	2,871.20	6,300.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
6,400.00	0.00	0.00	2,971.20	6,400.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
6,500.00	0.00	0.00	3,071.20	6,500.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
6,600.00	0.00	0.00	3,171.20	6,600.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
6,700.00	0.00	0.00	3,271.20	6,700.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
6,800.00	0.00	0.00	3,371.20	6,800.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Location:	Lea County, NM (Nad27)	Well Name:	Well Diamond 8 Fed Com 4H
Project:	Diamond 8 Federal	Well ID:	Diamond 8 Fed Com 4H	Well Elev:	WELL @ 3428.80usft (Original Well Elev + 30' KB)
Wellbore:	Wellbore #1	Well Elev:	Plan #2 071212	Grid:	Grid
Plan:		Minimum Curvature:		GCR DB v5000	

Depth (ft)	Interval (ft)	Interval (ft)	Interval (ft)	Interval (ft)	Interval (ft)	Interval (ft)	Interval (ft)	Interval (ft)	Interval (ft)	Interval (ft)	Interval (ft)
6,900.00	0.00	0.00	3,471.20	6,900.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
7,000.00	0.00	0.00	3,571.20	7,000.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
7,100.00	0.00	0.00	3,671.20	7,100.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
7,200.00	0.00	0.00	3,771.20	7,200.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
7,300.00	0.00	0.00	3,871.20	7,300.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
7,400.00	0.00	0.00	3,971.20	7,400.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
7,500.00	0.00	0.00	4,071.20	7,500.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
7,600.00	0.00	0.00	4,171.20	7,600.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
7,700.00	0.00	0.00	4,271.20	7,700.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
7,800.00	0.00	0.00	4,371.20	7,800.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
7,860.00	0.00	0.00	4,431.20	7,860.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
Brushy Canyon											
7,900.00	0.00	0.00	4,471.20	7,900.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
8,000.00	0.00	0.00	4,571.20	8,000.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
8,100.00	0.00	0.00	4,671.20	8,100.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
8,200.00	0.00	0.00	4,771.20	8,200.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
8,300.00	0.00	0.00	4,871.20	8,300.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
8,400.00	0.00	0.00	4,971.20	8,400.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
8,500.00	0.00	0.00	5,071.20	8,500.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
8,600.00	0.00	0.00	5,171.20	8,600.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
8,700.00	0.00	0.00	5,271.20	8,700.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
8,800.00	0.00	0.00	5,371.20	8,800.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
8,900.00	0.00	0.00	5,471.20	8,900.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
9,000.00	0.00	0.00	5,571.20	9,000.00	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
9,022.87	0.00	0.00	5,594.07	9,022.87	0.00	0.00	0.00	0.00	0.00	419,755.70	758,329.50
Start Build 12.00											
9,100.00	9.26	179.56	5,670.86	9,099.66	-6.22	0.05	6.22	12.00	419,749.48	758,329.55	

Phoenix Technology Services
EOG Resources



EOG Resources	Lea County, NM (Nad27)	Well Diamond 8 Fed Com 4H
Diamond 8 Federal	Diamond 8 Fed Com 4H	WELL @ 3428.80ust (Original Well Elev + 30' KB)
Wellbore #1	Wellbore #1	Grid
Plan #2 071212	Plan #2 071212	Minimum Curvature
		GCR DB v5000

STB (bbl/d)	STB (bbl/d)	STB (bbl/d)	STB (bbl/d)	STB (bbl/d)	STB (bbl/d)	STB (bbl/d)	STB (bbl/d)	STB (bbl/d)	STB (bbl/d)	STB (bbl/d)	STB (bbl/d)
9,200.00	21.26	179.56	5,767.16	9,195.96	-32.48	0.25	32.48	12.00	419,723.22	758,329.75	
9,248.28	27.05	179.56	5,811.20	9,240.00	-52.23	0.40	52.23	12.00	419,703.47	758,329.90	
Bone Spring Lime											
9,300.00	33.28	179.56	5,855.90	9,284.70	-78.19	0.60	78.20	12.00	419,677.51	758,330.10	
9,400.00	45.28	179.56	5,933.19	9,381.99	-141.35	1.09	141.38	12.00	419,614.35	758,330.59	
9,500.00	57.28	179.56	5,995.86	9,424.46	-219.21	1.69	219.21	12.00	419,536.49	758,331.19	
9,600.00	69.28	179.56	6,040.58	9,469.38	-308.34	2.37	308.35	12.00	419,447.36	758,331.87	
9,700.00	81.26	179.56	6,085.98	9,494.78	-404.87	3.11	404.88	12.00	419,350.83	758,332.61	
9,776.37	90.42	179.56	6,071.52	9,500.32	-480.95	3.70	480.96	12.00	419,274.75	758,333.20	
Start 4135.88 hold at 9776.37 MD											
9,800.00	90.42	179.56	6,071.34	9,500.14	-504.58	3.88	504.60	0.00	419,251.12	758,333.38	
9,900.00	90.42	179.56	6,070.61	9,499.41	-604.58	4.65	604.60	0.00	419,151.12	758,334.15	
10,000.00	90.42	179.56	6,069.88	9,498.68	-704.57	5.42	704.59	0.00	419,051.13	758,334.92	
10,100.00	90.42	179.56	6,069.14	9,497.94	-804.57	6.19	804.59	0.00	418,951.13	758,335.69	
10,200.00	90.42	179.56	6,068.41	9,497.21	-904.56	6.96	904.59	0.00	418,851.14	758,336.46	
10,300.00	90.42	179.56	6,067.68	9,496.48	-1,004.56	7.72	1,004.59	0.00	418,751.14	758,337.22	
10,400.00	90.42	179.56	6,066.95	9,495.75	-1,104.55	8.49	1,104.58	0.00	418,651.15	758,337.99	
10,500.00	90.42	179.56	6,066.21	9,495.01	-1,204.54	9.26	1,204.58	0.00	418,551.16	758,338.76	
10,600.00	90.42	179.56	6,065.48	9,494.28	-1,304.54	10.03	1,304.58	0.00	418,451.16	758,339.53	
10,700.00	90.42	179.56	6,064.75	9,493.55	-1,404.53	10.80	1,404.57	0.00	418,351.17	758,340.30	
10,800.00	90.42	179.56	6,064.01	9,492.81	-1,504.53	11.57	1,504.57	0.00	418,251.17	758,341.07	
10,900.00	90.42	179.56	6,063.28	9,492.08	-1,604.52	12.34	1,604.57	0.00	418,151.18	758,341.84	
11,000.00	90.42	179.56	6,062.55	9,491.35	-1,704.52	13.11	1,704.57	0.00	418,051.18	758,342.61	
11,100.00	90.42	179.56	6,061.81	9,490.61	-1,804.51	13.88	1,804.58	0.00	417,951.19	758,343.38	
11,200.00	90.42	179.56	6,061.08	9,489.88	-1,904.50	14.64	1,904.58	0.00	417,851.20	758,344.14	
11,300.00	90.42	179.56	6,060.35	9,489.15	-2,004.50	15.41	2,004.56	0.00	417,751.20	758,344.91	
11,400.00	90.42	179.56	6,059.62	9,488.42	-2,104.49	16.18	2,104.56	0.00	417,651.21	758,345.68	

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Coordinates Reference:	Well Diamond 8 Fed Com 4H
Region:	Lea County, NM (Nad27)	WELL @ 3428.80usft (Original Well Elev + 30' KB)	
Field:	Diamond 8 Federal	WELL @ 3428.80usft (Original Well Elev + 30' KB)	
Well:	Diamond 8 Fed Com 4H	Grid	
Wellbore:	Wellbore #1	Minimum Curvature	
Plan:	Plan #2 071212	GCR DB v5000	

Depth (ft)	API (ft)	True Vertical Depth (ft)	True Horizontal Depth (ft)	True Vertical Depth (ft)	True Horizontal Depth (ft)	True Vertical Depth (ft)	True Horizontal Depth (ft)	True Vertical Depth (ft)	True Horizontal Depth (ft)	True Vertical Depth (ft)	True Horizontal Depth (ft)
11,500.00	90.42	179.56	6,058.88	9,487.68	-2,204.49	16.95	2,204.55	0.00	417,551.21	758,348.45	
11,600.00	90.42	179.56	6,058.15	9,486.95	-2,304.48	17.72	2,304.55	0.00	417,451.22	758,347.22	
11,700.00	90.42	179.56	6,057.42	9,486.22	-2,404.48	18.49	2,404.55	0.00	417,351.22	758,347.99	
11,800.00	90.42	179.56	6,056.68	9,485.48	-2,504.47	19.26	2,504.55	0.00	417,251.23	758,348.76	
11,900.00	90.42	179.56	6,055.95	9,484.75	-2,604.47	20.03	2,604.54	0.00	417,151.23	758,349.53	
12,000.00	90.42	179.56	6,055.22	9,484.02	-2,704.46	20.80	2,704.54	0.00	417,051.24	758,350.30	
12,100.00	90.42	179.56	6,054.48	9,483.28	-2,804.45	21.57	2,804.54	0.00	416,951.25	758,351.07	
12,200.00	90.42	179.56	6,053.75	9,482.55	-2,904.45	22.33	2,804.53	0.00	416,851.25	758,351.83	
12,300.00	90.42	179.56	6,053.02	9,481.82	-3,004.44	23.10	3,004.53	0.00	416,751.26	758,352.60	
12,400.00	90.42	179.56	6,052.29	9,481.09	-3,104.44	23.87	3,104.53	0.00	416,651.26	758,353.37	
12,500.00	90.42	179.56	6,051.55	9,480.35	-3,204.43	24.64	3,204.53	0.00	416,551.27	758,354.14	
12,600.00	90.42	179.56	6,050.82	9,479.62	-3,304.43	25.41	3,304.52	0.00	416,451.27	758,354.91	
12,700.00	90.42	179.56	6,050.09	9,478.89	-3,404.42	26.18	3,404.52	0.00	416,351.28	758,355.68	
12,800.00	90.42	179.56	6,049.35	9,478.15	-3,504.41	26.95	3,504.52	0.00	416,251.29	758,356.45	
12,900.00	90.42	179.56	6,048.62	9,477.42	-3,604.41	27.72	3,604.52	0.00	416,151.29	758,357.22	
13,000.00	90.42	179.56	6,047.89	9,476.69	-3,704.40	28.49	3,704.51	0.00	416,051.30	758,357.99	
13,100.00	90.42	179.56	6,047.15	9,475.95	-3,804.40	29.25	3,804.51	0.00	415,951.30	758,358.75	
13,200.00	90.42	179.56	6,046.42	9,475.22	-3,904.39	30.02	3,904.51	0.00	415,851.31	758,359.52	
13,300.00	90.42	179.56	6,045.69	9,474.49	-4,004.39	30.79	4,004.50	0.00	415,751.31	758,360.29	
13,400.00	90.42	179.56	6,044.95	9,473.75	-4,104.38	31.56	4,104.50	0.00	415,651.32	758,361.06	
13,500.00	90.42	179.56	6,044.22	9,473.02	-4,204.38	32.33	4,204.50	0.00	415,551.32	758,361.83	
13,600.00	90.42	179.56	6,043.49	9,472.29	-4,304.37	33.10	4,304.50	0.00	415,451.33	758,362.60	
13,700.00	90.42	179.56	6,042.76	9,471.56	-4,404.36	33.87	4,404.49	0.00	415,351.34	758,363.37	
13,800.00	90.42	179.56	6,042.02	9,470.82	-4,504.36	34.64	4,504.49	0.00	415,251.34	758,364.14	
13,900.00	90.42	179.56	6,041.29	9,470.09	-4,604.35	35.41	4,604.49	0.00	415,151.35	758,364.91	
13,912.25	90.42	179.56	6,041.20	9,470.00	-4,616.60	35.50	4,616.74	0.00	415,139.10	758,365.00	

TD at 13912.25

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Location:	Well Diamond 8 Fed Com 4H
Project:	Lea County, NM (Nad27)	WELL @ 3428.80usft (Original Well Elev + 30' KB)	
Area:	Diamond 8 Federal	WELL @ 3428.80usft (Original Well Elev + 30' KB)	
Well:	Diamond 8 Fed Com 4H	Grid	
Wellbore #1:	Wellbore #1	Minimum Curvature	
Plan #2 071212	Plan #2 071212	GCR DB v5000	

Measured Depth (USF)	True Vertical Depth (USF)	Stratigraphy	DB
6,260.00	6,260.00	Cherry Canyon	(1)
5,260.00	5,260.00	Lamar	(1)
1,420.00	1,420.00	Top of Salt	
5,050.00	5,050.00	Base of Salt	
9,248.28	9,240.00	Bone Spring Lime	
1,090.00	1,090.00	Rustler	
5,288.00	5,288.00	Bell Canyon	
7,860.00	7,860.00	Brushy Canyon	

Measured Depth (USF)	True Vertical Depth (USF)	Vertical Correction (USF)	Comments
9,022.87	9,022.87	0.00	Start Build 12.00
9,776.37	9,500.32	-480.95	Start 4135.88 hold at 9776.37 MD
13,912.25	9,470.00	-4,618.60	TD at 13912.25

Checked By: _____ Approved By: _____ Date: _____