

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

HOBBS OCD

SUNDRY NOTICES AND REPORTS ON WELLS

OCD Hobbs

OCT 19 2012 Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

RECEIVED SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

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 FSL & 1760 FWL, SENW, Sec 36 SHL
230 FNL & 1680 FWL, NENW, Sec 25 Proposed BHL

5 Lease Serial No.

NM 122622 BHL

6 If Indian, Allottee or Tribe Name

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

8. Well Name and No

Endurance 36 2H

State Com

9 API Well No.

30-025-40258

10. Field and Pool, or Exploratory Area

Bradley; 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☐ 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 requests an amendment to the APD for this well to reflect changes in production casing, reclamation plan, and BHL.

Casing change from 5-1/2", 20#. P110/HCP110 NSCC to 5-1/2", 17#. P110/HCP110 LTC.

Change in BHL to 230' FNL & 1680' FWL, U/L C (NENW), Sec 25, T26S, R33E
Amended directional plan is attached.

**UNORTHODOX
LOCATION**

Amended reclamation plan and wellsite diagram attached.

OCD CONDITION OF APPROVAL for Drilling
Intent to drill ONLY -- CANNOT produce until the Non-Standard
Location has been approved by the OCD Santa Fe office.

14 I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Stan Wagner

Title

Regulatory Analyst

Signature

Date

9/06/12

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ James A. Amos

Title

OCT 15 2012

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

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.

OCT 22 2012

HOBBS OCD

District I
1625 N. French Dr., Hobbs, NM 88240
Phone. (575) 393-6161 Fax (575) 393-0726
District II
811 S First St., Artesia, NM 88210
Phone. (575) 748-1283 Fax (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone (505) 334-6178 Fax. (505) 334-6179
District IV
1220 S St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax (505) 476-3462

OCT 19 2012

RECEIVED

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 August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-40258	² Pool Code 7280	³ Pool Name Bradley; Bone Spring
⁴ Property Code 38129	⁵ Property Name ENDURANCE 36 STATE COM	
⁶ Well Number #2H	⁷ Elevation 3334'	
⁸ GRID No. 7377	⁹ Operator Name EOG RESOURCES, INC.	

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	36	26-S	33-E	-	330'	SOUTH	1760'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	25	26-S	33-E	-	230'	NORTH	1680'	WEST	LEA

¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

¹⁶		¹⁷ 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. Signature: <i>Stan Wagner</i> Date: 9/6/12 Stan Wagner Printed Name E-mail Address	
¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief. Date of Survey: 9/6/12 Signature: <i>Michael Brown</i> Michael Brown Printed Name E-mail Address		Date of Survey: 9/6/12 Signature: <i>Michael Brown</i> Michael Brown Printed Name E-mail Address	

* Amended

EOG RESOURCES, INC.
ENDURANCE 36 STATE COM NO. 2H
REVISED BHL 8/29/12

1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	780'
Top of Salt	1,400'
Base of Salt	4,975'
Lamar	5,215'
Bell Canyon	5,240'
Brushy Canyon	7,800'
Bone Spring Lime	9,433'
TD	9,700'

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	0- 400'	Fresh Water
Brushy Canyon	7,800'	Oil
Bone Spring Lime	9,433'	Oil

No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 13.375" casing at 915' and circulating cement back to surface.

4. CASING PROGRAM - NEW

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 – 915'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4,000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4,000'-5,100'	9.625"	40#	HCK55	LTC	1.125	1.25	1.60
8.75"	0'-16,725'	5.500"	17#	P110 or HCP110	LTC	1.125	1.25	1.60

EOG RESOURCES, INC.
ENDURANCE 36 STATE COM NO. 2H
REVISED BHL 8/29/12

Cementing Program:

Depth	No. Sacks	Wt. lb/gal	Yld Ft ³ /ft	Slurry Description
915'	275	13.5	1.73	Lead: Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ surface)
	300	14.8	1.34	Tail: Class C + 0.005 pps Static Free + 2% CaCl ₂ + 0.25 pps CelloFlake + 0.005 gps FP-6L
5,100'	650	12.7	2.22	Lead: Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free (TOC @ surface)
	200	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
16,725'	225	10.8	3.68	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 @ 4900')
	250	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
	2025	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.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The minimum blowout preventer equipment (BOPE) shown in Exhibit #1 will consist of a double ram-type (5,000 psi WP) preventer and an annular preventer (5000-psi WP). Both units will be hydraulically operated and the ram-type will be equipped with blind rams on bottom and drill pipe rams on top. All BOPE will be tested in accordance with Onshore Oil & Gas order No. 2.

3000 psi BOPE is adequate for this application. Due to the 3000 psi BOPE requirement no FIT tests are planned.

Before drilling out of the surface casing, the ram-type BOP and accessory equipment will be tested to 2000/ 250 psig and the annular preventer to 2000/ 250 psig. The surface casing will be tested to 1500 psi for 30 minutes.

Before drilling out of the intermediate casing, the ram-type BOP and accessory equipment will be tested to 3000/ 250 psig and the annular preventer to 3000/ 250 psig. The intermediate casing will be tested to 2000 psi for 30 minutes.

EOG RESOURCES, INC.
ENDURANCE 36 STATE COM NO. 2H
REVISED BHL 8/29/12

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

A hydraulically operated choke will be installed prior to drilling out of the intermediate casing shoe.

6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

The applicable depths and properties of the drilling fluid systems are as follows. Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 915'	Fresh Water Gel	8.6-8.8	28-34	N/c
915' – 5,100'	Saturated Brine	10.0-10.2	28-34	N/c
5,100' – 9,222'	Cut Brine Water	8.5-9.3	28-34	N/c
9,222' – 16,725' Lateral	Cut Brine Water	9.0-9.5	28-34	N/c

7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

- (A) A kelly cock will be kept in the drill string at all times.
- (B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.
- (C) A mud logging unit will be continuously monitoring drill penetration rate and hydrocarbon shows from intermediate casing point to TD.
- (D) H₂S monitoring and detection equipment will be utilized from surface casing point to TD.

8. LOGGING, TESTING AND CORING PROGRAM:

Open-hole logging is not anticipated in the 8-3/4" open hole section. The logging suites scheduled for this hole section are listed below:

GR-CCL

Will be run in cased hole during completions phase of operations.

EOG RESOURCES, INC.
ENDURANCE 36 STATE COM NO. 2H
REVISED BHL 8/29/12

**9. ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES AND
POTENTIAL HAZARDS:**

The estimated bottom-hole temperature (BHT) at TD is 162 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 4200 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. No major loss circulation zones have been reported in offsetting wells.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

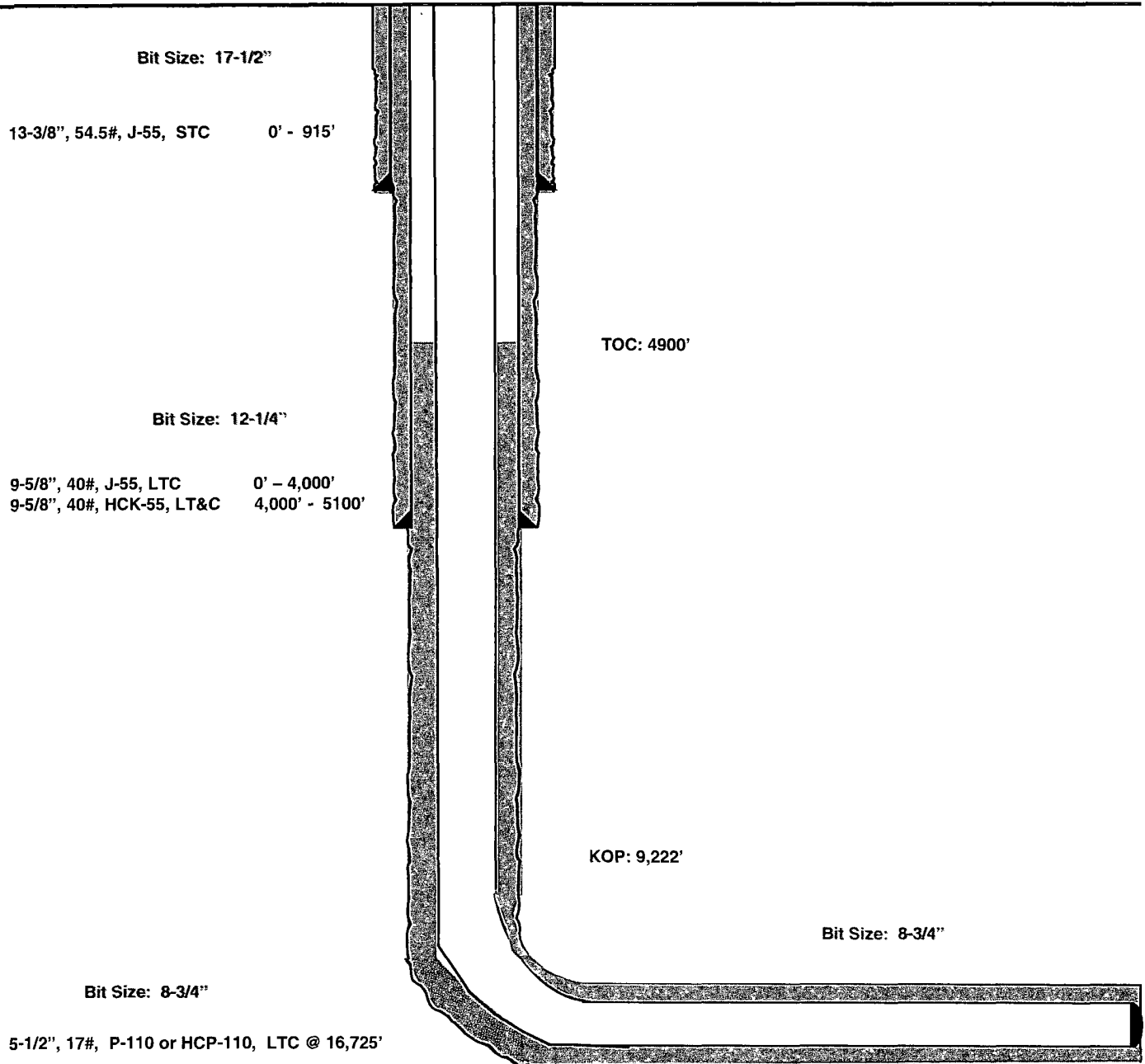
The drilling operation should be finished in approximately one month. If the well is productive, an additional 60-90 days will be required for completion and testing before a decision is made to install permanent facilities.

Endurance 36 State Com #2H
Red Hills
Lea County, New Mexico
REVISED BHL 8/29/12
Proposed Wellbore

330' FSL
1760' FWL
Section 36
T-26-S, R-33-E

KB: 3,364'
GL: 3,334'

API: 30-025-*****



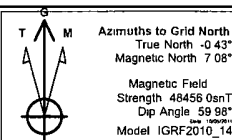
Bone Spring Sand Lateral: 16,725' MD, 9,700' TVD

BH Location: 230' FNL & 1680' FWL
Section 25
T-26-S, R-33-E

EOG Resources

Project: Lea County, NM (Nad27)
Site: Endurance 36 State Com
Well: Endurance 36 State Com 2H
Wellbore: Wellbore #1
Plan: Plan #2 082412
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



PHOENIX
TECHNOLOGY SERVICES

WELL DETAILS: Endurance 36 State Com 2H

Ground Level	3334.00
Northing	365036.00
Easting	749506.00
Latitude	32° 0' 3.7598 N
Longitude	103° 31' 42.4705 W

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BHL Endurance 36 State Com 2H	9700.00	7229.00	-131.00	372265.00	749375.00	Point

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeal
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9222.54	0.00	0.00	9222.54	0.00	0.00	0.00	0.00	0.00
9372.54	90.00	358.96	9700.00	477.39	-8.65	12.00	358.96	477.46
16725.26	90.00	358.96	9700.00	7229.00	-131.00	0.00	0.00	7230.19

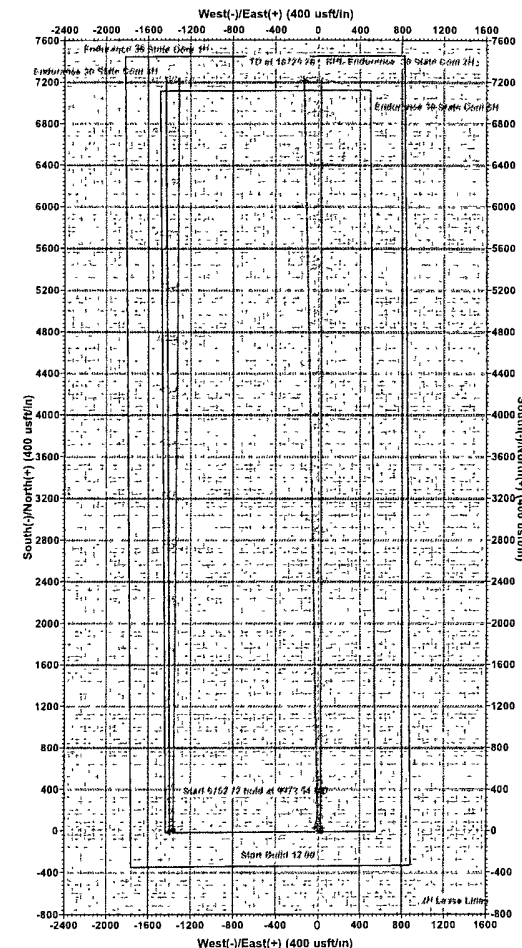
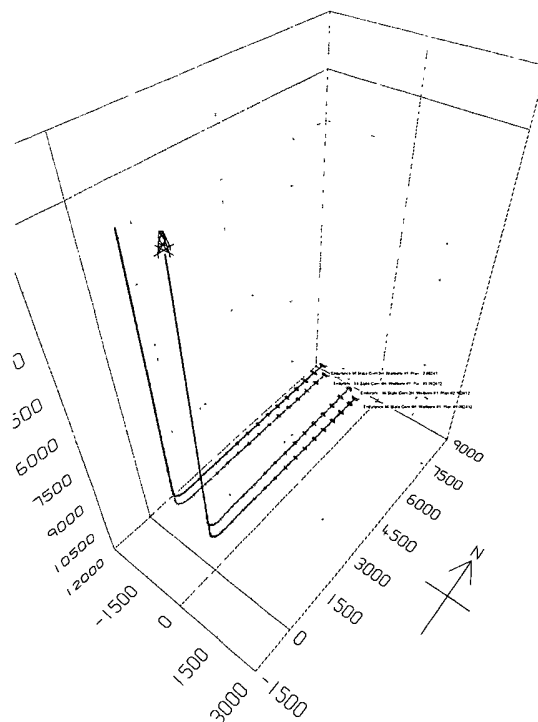
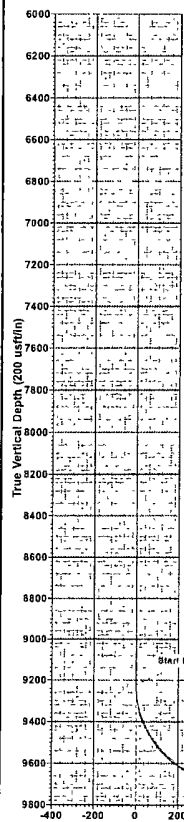
BHL Endurance 36 State Com 2H

ANNOTATIONS

TVD	MD	Annotation
9222.54	9222.54	Start Build 12.00
9700.00	9972.54	Start 6752.72 hold at 9972.54 MD
9700.00	16725.26	TD at 16725.26

FORMATION TOP DETAILS

No formation data is available



Vertical Section at 358.96° (200 usf/in)

EOG Resources

Lea County, NM (Nad27)

Endurance 36 State Com

Endurance 36 State Com 2H

Wellbore #1

Plan: Plan #2 082412

EOG Resources

24 August, 2012



PHOENIX
TECHNOLOGY SERVICES

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Endurance 36 State Com 2H
Project:	Lea County, NM (Nad27)	TVD Reference:	Well @ 3364.00usft
Site:	Endurance 36 State Com	MD Reference:	Well @ 3364.00usft
Well:	Endurance 36 State Com 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2 082412	Database:	GCR DB v5000

Project:	Lea County, NM (Nad27)	System Datum:	Mean Sea Level
Map System:	US State Plane 1927 (Exact solution)		
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	Endurance 36 State Com				
Site Position:		Northing:	365,024.70 usft	Latitude:	32° 0' 3.7503 N
From:	Map	Easting:	748,111.00 usft	Longitude:	103° 31' 58.6703 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.42 °

Well		Endurance 36 State Com 2H				
Well Position	+N/-S	0.00 usft	Northing:	365,036.00 usft	Latitude:	32° 0' 3.7596 N
	+E/-W	0.00 usft	Easting:	749,506.00 usft	Longitude:	103° 31' 42.4705 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,334.00 usft

Wellbore:	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010_14	10/06/11	7.51	59.98	48,456

Design:	Plan #2 082412				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	358.96	

Survey Tool/Program	Date	08/24/12			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	16,725.26	Plan #2 082412 (Wellbore #1)	MWD	MWD - Standard	

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Endurance 36 State Com 2H
Project:	Lea County, NM (Nad27)	TVD Reference:	Well @ 3364.00usft
Site:	Endurance 36 State Com	MD Reference:	Well @ 3364.00usft
Well:	Endurance 36 State Com 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey/Calculation Method:	Minimum Curvature
Design:	Plan #2 082412	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)
0.00	0.00	0.00	-3,364.00	0.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
100.00	0.00	0.00	-3,264.00	100.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
200.00	0.00	0.00	-3,164.00	200.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
300.00	0.00	0.00	-3,064.00	300.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
400.00	0.00	0.00	-2,964.00	400.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
500.00	0.00	0.00	-2,864.00	500.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
600.00	0.00	0.00	-2,764.00	600.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
700.00	0.00	0.00	-2,664.00	700.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
800.00	0.00	0.00	-2,564.00	800.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
900.00	0.00	0.00	-2,464.00	900.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
1,000.00	0.00	0.00	-2,364.00	1,000.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
1,100.00	0.00	0.00	-2,264.00	1,100.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
1,200.00	0.00	0.00	-2,164.00	1,200.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
1,300.00	0.00	0.00	-2,064.00	1,300.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
1,400.00	0.00	0.00	-1,964.00	1,400.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
1,500.00	0.00	0.00	-1,864.00	1,500.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
1,600.00	0.00	0.00	-1,764.00	1,600.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
1,700.00	0.00	0.00	-1,664.00	1,700.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
1,800.00	0.00	0.00	-1,564.00	1,800.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
1,900.00	0.00	0.00	-1,464.00	1,900.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
2,000.00	0.00	0.00	-1,364.00	2,000.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
2,100.00	0.00	0.00	-1,264.00	2,100.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
2,200.00	0.00	0.00	-1,164.00	2,200.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
2,300.00	0.00	0.00	-1,064.00	2,300.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
2,400.00	0.00	0.00	-964.00	2,400.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
2,500.00	0.00	0.00	-864.00	2,500.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
2,600.00	0.00	0.00	-764.00	2,600.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Endurance 36 State Com 2H
Project:	Lea County, NM (Nad27)	TVD Reference:	Well @ 3364.00usft
Site:	Endurance 36 State Com	MD Reference:	Well @ 3364.00usft
Well:	Endurance 36 State Com 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2 082412	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)	
2,700.00	0.00	0.00	-664.00	2,700.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
2,800.00	0.00	0.00	-564.00	2,800.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
2,900.00	0.00	0.00	-464.00	2,900.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
3,000.00	0.00	0.00	-364.00	3,000.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
3,100.00	0.00	0.00	-264.00	3,100.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
3,200.00	0.00	0.00	-164.00	3,200.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
3,300.00	0.00	0.00	-64.00	3,300.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
3,400.00	0.00	0.00	36.00	3,400.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
3,500.00	0.00	0.00	136.00	3,500.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
3,600.00	0.00	0.00	236.00	3,600.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
3,700.00	0.00	0.00	336.00	3,700.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
3,800.00	0.00	0.00	436.00	3,800.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
3,900.00	0.00	0.00	536.00	3,900.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
4,000.00	0.00	0.00	636.00	4,000.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
4,100.00	0.00	0.00	736.00	4,100.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
4,200.00	0.00	0.00	836.00	4,200.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
4,300.00	0.00	0.00	936.00	4,300.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
4,400.00	0.00	0.00	1,036.00	4,400.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
4,500.00	0.00	0.00	1,136.00	4,500.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
4,600.00	0.00	0.00	1,236.00	4,600.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
4,700.00	0.00	0.00	1,336.00	4,700.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
4,800.00	0.00	0.00	1,436.00	4,800.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
4,900.00	0.00	0.00	1,536.00	4,900.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
5,000.00	0.00	0.00	1,636.00	5,000.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
5,100.00	0.00	0.00	1,736.00	5,100.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
5,200.00	0.00	0.00	1,836.00	5,200.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	
5,300.00	0.00	0.00	1,936.00	5,300.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00	

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Endurance 36 State Com 2H
Project:	Lea County, NM (Nad27)	TVD Reference:	Well @ 3364.00usft
Site:	Endurance 36 State Com	MD Reference:	Well @ 3364.00usft
Well:	Endurance 36 State Com 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2 082412	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	2,036.00	5,400.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
5,500.00	0.00	0.00	2,136.00	5,500.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
5,600.00	0.00	0.00	2,236.00	5,600.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
5,700.00	0.00	0.00	2,336.00	5,700.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
5,800.00	0.00	0.00	2,436.00	5,800.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
5,900.00	0.00	0.00	2,536.00	5,900.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
6,000.00	0.00	0.00	2,636.00	6,000.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
6,100.00	0.00	0.00	2,736.00	6,100.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
6,200.00	0.00	0.00	2,836.00	6,200.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
6,300.00	0.00	0.00	2,936.00	6,300.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
6,400.00	0.00	0.00	3,036.00	6,400.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
6,500.00	0.00	0.00	3,136.00	6,500.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
6,600.00	0.00	0.00	3,236.00	6,600.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
6,700.00	0.00	0.00	3,336.00	6,700.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
6,800.00	0.00	0.00	3,436.00	6,800.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
6,900.00	0.00	0.00	3,536.00	6,900.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
7,000.00	0.00	0.00	3,636.00	7,000.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
7,100.00	0.00	0.00	3,736.00	7,100.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
7,200.00	0.00	0.00	3,836.00	7,200.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
7,300.00	0.00	0.00	3,936.00	7,300.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
7,400.00	0.00	0.00	4,036.00	7,400.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
7,500.00	0.00	0.00	4,136.00	7,500.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
7,600.00	0.00	0.00	4,236.00	7,600.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
7,700.00	0.00	0.00	4,336.00	7,700.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
7,800.00	0.00	0.00	4,436.00	7,800.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
7,900.00	0.00	0.00	4,536.00	7,900.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
8,000.00	0.00	0.00	4,636.00	8,000.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00

Phoenix Technology Services
EOG Resources



Company: EOG Resources
Project: Lea County, NM (Nad27)
Site: Endurance 36 State Com
Well: Endurance 36 State Com 2H
Wellbore: Wellbore #1
Design: Plan #2 082412

Local/Co-ordinate Reference: Well Endurance 36 State Com 2H
TVD Reference: Well @ 3364.00usft
MD Reference: Well @ 3364.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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	4,736.00	8,100.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
8,200.00	0.00	0.00	4,836.00	8,200.00	0 00	0.00	0.00	0.00	365,036.00	749,506.00
8,300.00	0.00	0.00	4,936.00	8,300.00	0.00	0.00	0 00	0.00	365,036.00	749,506.00
8,400.00	0 00	0.00	5,036.00	8,400.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
8,500.00	0.00	0.00	5,136.00	8,500.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
8,600.00	0.00	0.00	5,236.00	8,600.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
8,700.00	0.00	0.00	5,336.00	8,700.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
8,800.00	0.00	0.00	5,436.00	8,800.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
8,900.00	0.00	0.00	5,536.00	8,900.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
9,000.00	0 00	0.00	5,636.00	9,000.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
9,100.00	0.00	0 00	5,736.00	9,100.00	0.00	0.00	0.00	0.00	365,036.00	749,506.00
9,200.00	0.00	0 00	5,836.00	9,200.00	0.00	0.00	0 00	0.00	365,036.00	749,506.00
9,222.54	0.00	0.00	5,858.54	9,222.54	0.00	0.00	0 00	0.00	365,036.00	749,506.00
Start Build 12.00										
9,300.00	9.30	358.96	5,935.66	9,299.66	6 27	-0.11	6.27	12 00	365,042.27	749,505.89
9,400.00	21 30	358.96	6,031.94	9,395.94	32 60	-0.59	32.60	12.00	365,068.60	749,505.41
9,500.00	33.30	358.96	6,120.64	9,484.64	78 36	-1.42	78.38	12 00	365,114.36	749,504.58
9,600.00	45.30	358.96	6,197.89	9,561.89	141.57	-2.57	141.59	12.00	365,177.57	749,503.43
9,700.00	57.30	358.96	6,260.31	9,624.31	219.45	-3.98	219.49	12.00	365,255.45	749,502.02
9,800.00	69.30	358.96	6,305.16	9,669.16	308.61	-5.59	308.66	12.00	365,344.61	749,500.41
9,900.00	81 30	358.96	6,330.50	9,694.50	405.14	-7.34	405.21	12.00	365,441.14	749,498.66
9,972.54	90.00	358.96	6,336.00	9,700.00	477 39	-8.65	477.46	12.00	365,513.39	749,497.35
Start 6752.72 hold at 9972.54 MD										
10,000.00	90.00	358.96	6,336.00	9,700.00	504.85	-9.15	504.93	0.00	365,540.85	749,496.85
10,100.00	90.00	358.96	6,336.00	9,700.00	604.83	-10.96	604.93	0.00	365,640.83	749,495.04
10,200.00	90.00	358.96	6,336.00	9,700.00	704.81	-12.77	704.93	0.00	365,740.81	749,493.23
10,300.00	90.00	358.96	6,336.00	9,700.00	804 80	-14 58	804.93	0.00	365,840.80	749,491.42

Phoenix Technology Services
EOG Resources



Company: EOG Resources
Project: Lea-County, NM (Nad27)
Site: Endurance 36 State Com
Well: Endurance 36 State Com 2H
Wellbore: Wellbore #1
Design: Plan #2 082412

Local Co-ordinate Reference: Well Endurance 36 State Com 2H
TVD Reference: Well @ 3364.00usft
MD Reference: Well @ 3364.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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	358.96	6,336.00	9,700.00	904.78	-16.40	904.93	0.00	365,940.78	749,489.60
10,500.00	90.00	358.96	6,336.00	9,700.00	1,004.76	-18.21	1,004.93	0.00	366,040.76	749,487.79
10,600.00	90.00	358.96	6,336.00	9,700.00	1,104.75	-20.02	1,104.93	0.00	366,140.75	749,485.98
10,700.00	90.00	358.96	6,336.00	9,700.00	1,204.73	-21.83	1,204.93	0.00	366,240.73	749,484.17
10,800.00	90.00	358.96	6,336.00	9,700.00	1,304.72	-23.64	1,304.93	0.00	366,340.72	749,482.36
10,900.00	90.00	358.96	6,336.00	9,700.00	1,404.70	-25.46	1,404.93	0.00	366,440.70	749,480.54
11,000.00	90.00	358.96	6,336.00	9,700.00	1,504.68	-27.27	1,504.93	0.00	366,540.68	749,478.73
11,100.00	90.00	358.96	6,336.00	9,700.00	1,604.67	-29.08	1,604.93	0.00	366,640.67	749,476.92
11,200.00	90.00	358.96	6,336.00	9,700.00	1,704.65	-30.89	1,704.93	0.00	366,740.65	749,475.11
11,300.00	90.00	358.96	6,336.00	9,700.00	1,804.63	-32.70	1,804.93	0.00	366,840.63	749,473.30
11,400.00	90.00	358.96	6,336.00	9,700.00	1,904.62	-34.51	1,904.93	0.00	366,940.62	749,471.49
11,500.00	90.00	358.96	6,336.00	9,700.00	2,004.60	-36.33	2,004.93	0.00	367,040.60	749,469.67
11,600.00	90.00	358.96	6,336.00	9,700.00	2,104.58	-38.14	2,104.93	0.00	367,140.58	749,467.86
11,700.00	90.00	358.96	6,336.00	9,700.00	2,204.57	-39.95	2,204.93	0.00	367,240.57	749,466.05
11,800.00	90.00	358.96	6,336.00	9,700.00	2,304.55	-41.76	2,304.93	0.00	367,340.55	749,464.24
11,900.00	90.00	358.96	6,336.00	9,700.00	2,404.53	-43.57	2,404.93	0.00	367,440.53	749,462.43
12,000.00	90.00	358.96	6,336.00	9,700.00	2,504.52	-45.39	2,504.93	0.00	367,540.52	749,460.61
12,100.00	90.00	358.96	6,336.00	9,700.00	2,604.50	-47.20	2,604.93	0.00	367,640.50	749,458.80
12,200.00	90.00	358.96	6,336.00	9,700.00	2,704.49	-49.01	2,704.93	0.00	367,740.49	749,456.99
12,300.00	90.00	358.96	6,336.00	9,700.00	2,804.47	-50.82	2,804.93	0.00	367,840.47	749,455.18
12,400.00	90.00	358.96	6,336.00	9,700.00	2,904.45	-52.63	2,904.93	0.00	367,940.45	749,453.37
12,500.00	90.00	358.96	6,336.00	9,700.00	3,004.44	-54.44	3,004.93	0.00	368,040.44	749,451.56
12,600.00	90.00	358.96	6,336.00	9,700.00	3,104.42	-56.26	3,104.93	0.00	368,140.42	749,449.74
12,700.00	90.00	358.96	6,336.00	9,700.00	3,204.40	-58.07	3,204.93	0.00	368,240.40	749,447.93
12,800.00	90.00	358.96	6,336.00	9,700.00	3,304.39	-59.88	3,304.93	0.00	368,340.39	749,446.12
12,900.00	90.00	358.96	6,336.00	9,700.00	3,404.37	-61.69	3,404.93	0.00	368,440.37	749,444.31
13,000.00	90.00	358.96	6,336.00	9,700.00	3,504.35	-63.50	3,504.93	0.00	368,540.35	749,442.50

Phoenix Technology Services
EOG Resources



Company:	EOG Resources	Local Co-ordinate Reference:	Well Endurance 36 State Com 2H
Project:	Lea County, NM (Nad27)	TVD Reference:	Well @ 3364.00usft
Site:	Endurance 36 State Com	MD Reference:	Well @ 3364 00usft
Well:	Endurance 36 State Com 2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2 082412	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)
13,100.00	90.00	358.96	6,336.00	9,700.00	3,604.34	-65.32	3,604.93	0.00	368,640.34	749,440.68
13,200.00	90.00	358.96	6,336.00	9,700.00	3,704.32	-67.13	3,704.93	0.00	368,740.32	749,438.87
13,300.00	90.00	358.96	6,336.00	9,700.00	3,804.31	-68.94	3,804.93	0.00	368,840.31	749,437.06
13,400.00	90.00	358.96	6,336.00	9,700.00	3,904.29	-70.75	3,904.93	0.00	368,940.29	749,435.25
13,500.00	90.00	358.96	6,336.00	9,700.00	4,004.27	-72.56	4,004.93	0.00	369,040.27	749,433.44
13,600.00	90.00	358.96	6,336.00	9,700.00	4,104.26	-74.38	4,104.93	0.00	369,140.26	749,431.62
13,700.00	90.00	358.96	6,336.00	9,700.00	4,204.24	-76.19	4,204.93	0.00	369,240.24	749,429.81
13,800.00	90.00	358.96	6,336.00	9,700.00	4,304.22	-78.00	4,304.93	0.00	369,340.22	749,428.00
13,900.00	90.00	358.96	6,336.00	9,700.00	4,404.21	-79.81	4,404.93	0.00	369,440.21	749,426.19
14,000.00	90.00	358.96	6,336.00	9,700.00	4,504.19	-81.62	4,504.93	0.00	369,540.19	749,424.38
14,100.00	90.00	358.96	6,336.00	9,700.00	4,604.17	-83.43	4,604.93	0.00	369,640.17	749,422.57
14,200.00	90.00	358.96	6,336.00	9,700.00	4,704.16	-85.25	4,704.93	0.00	369,740.16	749,420.75
14,300.00	90.00	358.96	6,336.00	9,700.00	4,804.14	-87.06	4,804.93	0.00	369,840.14	749,418.94
14,400.00	90.00	358.96	6,336.00	9,700.00	4,904.12	-88.87	4,904.93	0.00	369,940.12	749,417.13
14,500.00	90.00	358.96	6,336.00	9,700.00	5,004.11	-90.68	5,004.93	0.00	370,040.11	749,415.32
14,600.00	90.00	358.96	6,336.00	9,700.00	5,104.09	-92.49	5,104.93	0.00	370,140.09	749,413.51
14,700.00	90.00	358.96	6,336.00	9,700.00	5,204.08	-94.31	5,204.93	0.00	370,240.08	749,411.69
14,800.00	90.00	358.96	6,336.00	9,700.00	5,304.06	-96.12	5,304.93	0.00	370,340.06	749,409.88
14,900.00	90.00	358.96	6,336.00	9,700.00	5,404.04	-97.93	5,404.93	0.00	370,440.04	749,408.07
15,000.00	90.00	358.96	6,336.00	9,700.00	5,504.03	-99.74	5,504.93	0.00	370,540.03	749,406.26
15,100.00	90.00	358.96	6,336.00	9,700.00	5,604.01	-101.55	5,604.93	0.00	370,640.01	749,404.45
15,200.00	90.00	358.96	6,336.00	9,700.00	5,703.99	-103.36	5,704.93	0.00	370,739.99	749,402.64
15,300.00	90.00	358.96	6,336.00	9,700.00	5,803.98	-105.18	5,804.93	0.00	370,839.98	749,400.82
15,400.00	90.00	358.96	6,336.00	9,700.00	5,903.96	-106.99	5,904.93	0.00	370,939.96	749,399.01
15,500.00	90.00	358.96	6,336.00	9,700.00	6,003.94	-108.80	6,004.93	0.00	371,039.94	749,397.20
15,600.00	90.00	358.96	6,336.00	9,700.00	6,103.93	-110.61	6,104.93	0.00	371,139.93	749,395.39
15,700.00	90.00	358.96	6,336.00	9,700.00	6,203.91	-112.42	6,204.93	0.00	371,239.91	749,393.58

Phoenix Technology Services
EOG Resources



Company: EOG Resources
Project: Lea County, NM (Nad27)
Site: Endurance 36 State Com
Well: Endurance 36 State Com 2H
Wellbore: Wellbore #1
Design: Plan #2 082412

Local Co-ordinate Reference: Well Endurance 36 State Com 2H
TVD Reference: Well @ 3364.00usft
MD Reference: Well @ 3364.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
15,800.00	90.00	358.96	6,336.00	9,700.00	6,303.89	-114.24	6,304.93	0.00	371,339.89	749,391.76
15,900.00	90.00	358.96	6,336.00	9,700.00	6,403.88	-116.05	6,404.93	0.00	371,439.88	749,389.95
16,000.00	90.00	358.96	6,336.00	9,700.00	6,503.86	-117.86	6,504.93	0.00	371,539.86	749,388.14
16,100.00	90.00	358.96	6,336.00	9,700.00	6,603.85	-119.67	6,604.93	0.00	371,639.85	749,386.33
16,200.00	90.00	358.96	6,336.00	9,700.00	6,703.83	-121.48	6,704.93	0.00	371,739.83	749,384.52
16,300.00	90.00	358.96	6,336.00	9,700.00	6,803.81	-123.29	6,804.93	0.00	371,839.81	749,382.71
16,400.00	90.00	358.96	6,336.00	9,700.00	6,903.80	-125.11	6,904.93	0.00	371,939.80	749,380.89
16,500.00	90.00	358.96	6,336.00	9,700.00	7,003.78	-126.92	7,004.93	0.00	372,039.78	749,379.08
16,600.00	90.00	358.96	6,336.00	9,700.00	7,103.76	-128.73	7,104.93	0.00	372,139.76	749,377.27
16,700.00	90.00	358.96	6,336.00	9,700.00	7,203.75	-130.54	7,204.93	0.00	372,239.75	749,375.46
16,725.26	90.00	358.96	6,336.00	9,700.00	7,229.00	-131.00	7,230.19	0.00	372,265.00	749,375.00
TD at 16725.26										

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,222.54	9,222.54	0.00	0.00	Start Build 12.00
9,972.54	9,700.00	477.39	-8.65	Start 6752.72 hold at 9972.54 MD
16,725.26	9,700.00	7,229.00	-131.00	TD at 16725.26

Checked By: _____

Approved By: _____

Date: _____

