

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

JUL 24 2014

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025- 41816	² Pool Code 97369	³ Pool Name Red Hills; Bone Spring, East
⁴ Property Code	⁵ Property Name OSPREY 10	⁶ Well Number #1H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3333'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	10	25-S	34-E	-	220'	SOUTH	190'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	10	25-S	34-E	-	230'	NORTH	380'	WEST	LEA

¹² Dedicated Acres 160	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.

		¹⁷OPERATOR 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 released 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> 5/1/14 Signature Date Stan Wagner Printed Name E-mail Address	
¹⁸SURVEYOR 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. 4/01/2014 Date of Survey <i>Michael A. Brown</i> Signature and Seal of Professional Surveyor 18329 NEW MEXICO PROFESSIONAL SURVEYOR		Certificate Number	

Revised Permit Information:

Well Name: Osprey 10 No. 1H

Location:

SL: 220' FSL & 190' FWL, Section 10, T-25-S, R-34-E, Lea Co., N.M.

BHL: 230' FNL & 380' FWL, Section 10, T-25-S, R-34-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 – 900'	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' – 5100'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0'-16,846'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
900'	500	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	200	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
5,100'	800	12.7	2.22	Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free
	200	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
16,846'	400	10.8	3.67	60:40:0 Class C + 15.0 pps BA-90 + 4% MPA-5 + 3.0% SMS + 5.0% A-10 + 1.0% BA-10A + 0.80% ASA-301 + 2.55% R-21 + 8.0 pps LCM-1
	550	11.8	2.38	50:50:10 Class H + 0.80% FL-52 + 0.30% ASA-301 + 0.40% SMS + 2.0% Salt + 0.30% R-21 + 3.0 pps LCM-1 + 0.25 pps Celloflake
	1325	14.2	1.28	50:50:2 Class H + 0.65% FL-52 + 0.45% CD-32 + 0.10% SMS + 2.0% Salt

Mud Program:

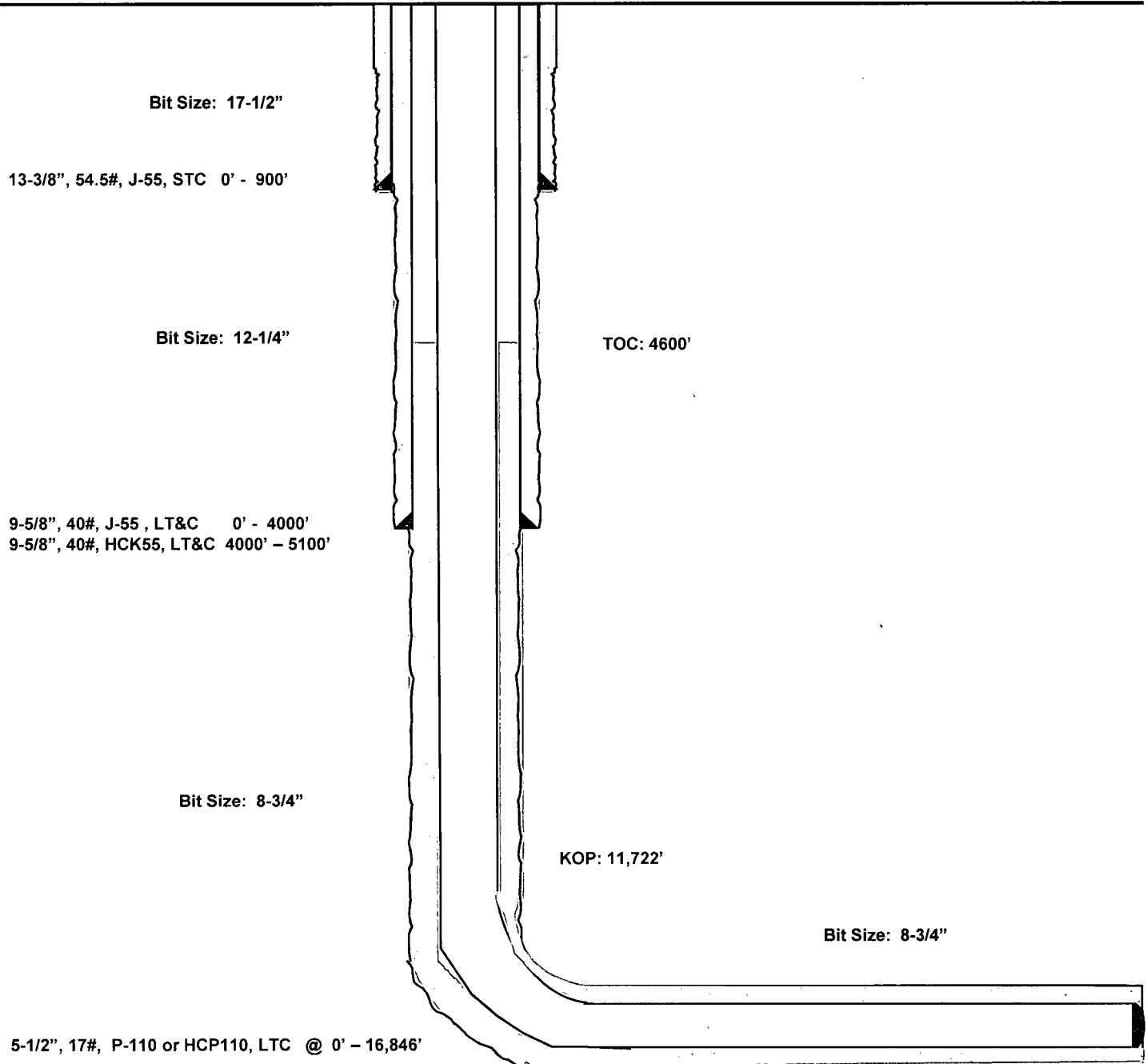
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 900'	Fresh - Gel	8.6-8.8	28-34	N/c
900' – 5,100'	Brine	10.0-10.2	28-34	N/c
5,100' – 11,722'	Cut Brine	8.4-9.0	28-34	N/c
KOP – 16,846' Lateral	Cut Brine	9.0-9.5	40-42	8-10

Osprey 10 #1H
Red Hills
Lea County, New Mexico
Revised 7/18/14
Proposed Wellbore

220' FSL
190' FWL
Section 10
T-25-S, R-34-E

API: 30-025-41816

KB: 3,363'
GL: 3,333'



Lateral: 16,846' MD, 12,162' TVD

BH Location: 230' FNL & 380' FWL
Section 10
T-25-S, R-34-E



Lea County, NM (NAD 27 NME)

Osprey 10 #1H

3333' GL + 30' KB

Plan #2

PROJECT DETAILS: Lea County, NM (NAD 27 NME)

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



Azimuths to Grid North
 True North: -0.46°
 Magnetic North: 6.71°
 Magnetic Field
 Strength: 48289.0nT
 Dip Angle: 60.05°
 Date: 4/30/2014
 Model: IGRF201014

To convert a Magnetic Direction to a Grid Direction, Add 6.71°
 To convert a Magnetic Direction to a True Direction, Add 7.18° East
 To convert a True Direction to a Grid Direction, Subtract 0.46°

WELL DETAILS: Osprey 10 #1H

Ground Level: 3333.0
WELL @ 3363.0usft (3333' GL + 30' KB)

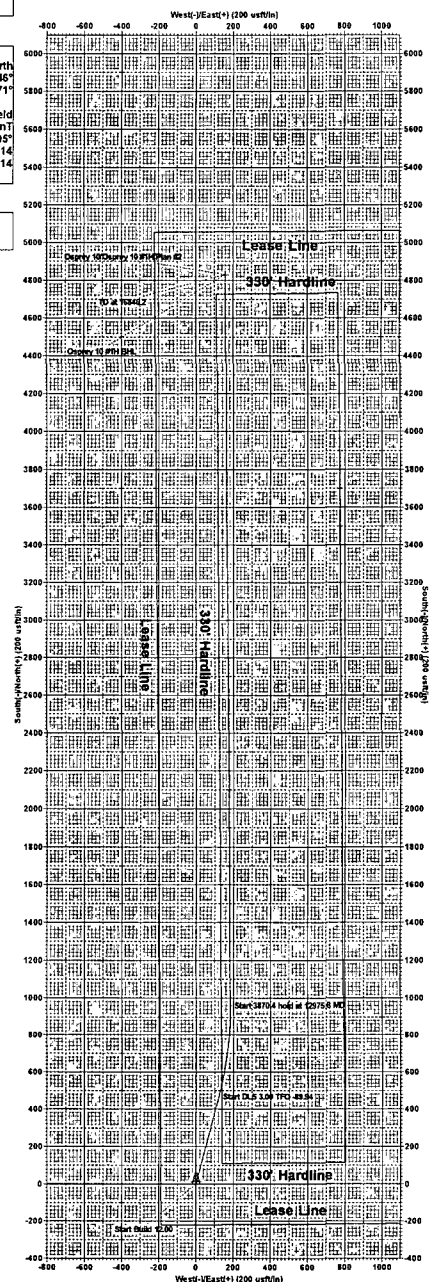
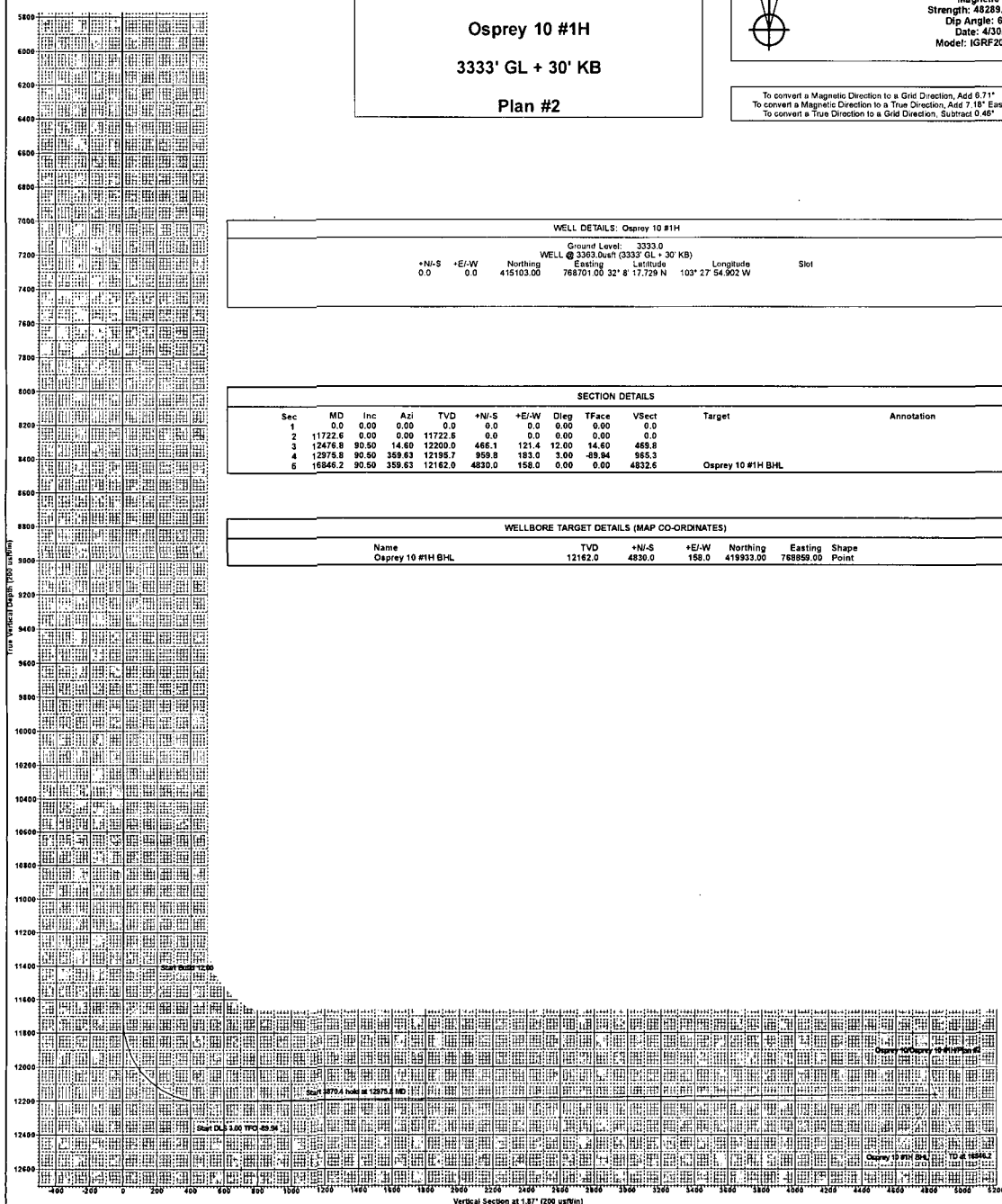
*N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	415103.00	768701.00	32° 8' 17.729 N	103° 27' 54.902 W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/S	+E/W	Dleg	TFace	VSEct	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	17222.6	0.00	0.00	17222.8	0.0	0.0	0.00	0.00	0.0		
3	12476.9	90.50	14.60	12200.0	466.0	121.0	12.00	14.60	469.8		
4	12975.8	90.50	359.63	12195.7	959.8	183.0	3.00	-39.84	953.3		
6	16946.2	90.50	359.63	12162.0	4630.0	158.0	0.00	0.00	4632.6	Osprey 10 #1H BHL	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Osprey 10 #1H BHL	12162.0	4830.0	158.0	419933.00	768859.00	Point



Los County 900 (42) 27 April
Gravely 10
Gravely 10 1/4 in
2222 Gr. = 30 + 0
CN
Thru. 87



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Osprey 10

Osprey 10 #1H

OH

Plan: Plan #2

Standard Planning Report

18 July, 2014



EOG Resources, Inc.

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Osprey 10 #1H
Company:	EOG Resources - Midland	TVD Reference:	WELL @ 3363.0usft (3333' GL + 30' KB)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	WELL @ 3363.0usft (3333' GL + 30' KB)
Site:	Osprey 10	North Reference:	Grid
Well:	Osprey 10 #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Project	Lea County, NM (NAD 27 NME)		
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	Osprey 10		
Site Position:		Northing:	415,103.00 usft
From:	Map	Easting:	768,701.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 8' 17.729 N
		Longitude:	103° 27' 54.902 W
		Grid Convergence:	0.46 °

Well	Osprey 10 #1H		
Well Position	+N/-S	0.0 usft	Northing: 415,103.00 usft
	+E/-W	0.0 usft	Easting: 768,701.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Latitude: 32° 8' 17.729 N
			Longitude: 103° 27' 54.902 W
			Ground Level: 3,333.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF201014	4/30/2014	7.18
			Dip Angle (°) 60.05
			Field Strength (nT) 48,289

Design	Plan #2		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°) 1.87

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
11,722.6	0.00	0.00	11,722.6	0.0	0.0	0.00	0.00	0.00	0.00	
12,476.8	90.50	14.60	12,200.0	466.1	121.4	12.00	12.00	0.00	14.60	
12,975.8	90.50	359.63	12,195.7	959.8	183.0	3.00	0.00	-3.00	-89.94	
16,846.2	90.50	359.63	12,162.0	4,830.0	158.0	0.00	0.00	0.00	0.00	Osprey 10 #1H BHL



EOG Resources, Inc.

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Osprey 10 #1H
Company:	EOG Resources - Midland	TVD Reference:	WELL @ 3363.0usft (3333' GL + 30' KB)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	WELL @ 3363.0usft (3333' GL + 30' KB)
Site:	Osprey 10	North Reference:	Grid
Well:	Osprey 10 #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

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Site:	Osprey 10	North Reference:	Grid
Well:	Osprey 10 #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,900.0	0.0	0.0	0.0	0.00	0.00	0.00
9,000.0	0.00	0.00	9,000.0	0.0	0.0	0.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,100.0	0.0	0.0	0.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,200.0	0.0	0.0	0.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,300.0	0.0	0.0	0.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,400.0	0.0	0.0	0.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,500.0	0.0	0.0	0.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,600.0	0.0	0.0	0.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,700.0	0.0	0.0	0.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,800.0	0.0	0.0	0.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,900.0	0.0	0.0	0.0	0.00	0.00	0.00
10,000.0	0.00	0.00	10,000.0	0.0	0.0	0.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,100.0	0.0	0.0	0.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,200.0	0.0	0.0	0.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,300.0	0.0	0.0	0.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,400.0	0.0	0.0	0.0	0.00	0.00	0.00
10,500.0	0.00	0.00	10,500.0	0.0	0.0	0.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,600.0	0.0	0.0	0.0	0.00	0.00	0.00
10,700.0	0.00	0.00	10,700.0	0.0	0.0	0.0	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Osprey 10 #1H
Company:	EOG Resources - Midland	TVD Reference:	WELL @ 3363.0usft (3333' GL + 30' KB)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	WELL @ 3363.0usft (3333' GL + 30' KB)
Site:	Osprey 10	North Reference:	Grid
Well:	Osprey 10 #1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,800.0	0.00	0.00	10,800.0	0.0	0.0	0.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,900.0	0.0	0.0	0.0	0.00	0.00	0.00
11,000.0	0.00	0.00	11,000.0	0.0	0.0	0.0	0.00	0.00	0.00
11,100.0	0.00	0.00	11,100.0	0.0	0.0	0.0	0.00	0.00	0.00
11,200.0	0.00	0.00	11,200.0	0.0	0.0	0.0	0.00	0.00	0.00
11,300.0	0.00	0.00	11,300.0	0.0	0.0	0.0	0.00	0.00	0.00
11,400.0	0.00	0.00	11,400.0	0.0	0.0	0.0	0.00	0.00	0.00
11,500.0	0.00	0.00	11,500.0	0.0	0.0	0.0	0.00	0.00	0.00
11,600.0	0.00	0.00	11,600.0	0.0	0.0	0.0	0.00	0.00	0.00
11,700.0	0.00	0.00	11,700.0	0.0	0.0	0.0	0.00	0.00	0.00
11,722.6	0.00	0.00	11,722.6	0.0	0.0	0.0	0.00	0.00	0.00
11,725.0	0.29	14.60	11,725.0	0.0	0.0	0.0	12.00	12.00	0.00
11,750.0	3.29	14.60	11,750.0	0.8	0.2	0.8	12.00	12.00	0.00
11,775.0	6.29	14.60	11,774.9	2.8	0.7	2.8	12.00	12.00	0.00
11,800.0	9.29	14.60	11,799.7	6.1	1.6	6.1	12.00	12.00	0.00
11,825.0	12.29	14.60	11,824.2	10.6	2.8	10.7	12.00	12.00	0.00
11,850.0	15.29	14.60	11,848.5	16.4	4.3	16.5	12.00	12.00	0.00
11,875.0	18.29	14.60	11,872.4	23.3	6.1	23.5	12.00	12.00	0.00
11,900.0	21.29	14.60	11,895.9	31.5	8.2	31.8	12.00	12.00	0.00
11,925.0	24.29	14.60	11,919.0	40.9	10.7	41.2	12.00	12.00	0.00
11,950.0	27.29	14.60	11,941.5	51.4	13.4	51.8	12.00	12.00	0.00
11,975.0	30.29	14.60	11,963.4	63.1	16.4	63.6	12.00	12.00	0.00
12,000.0	33.29	14.60	11,984.7	75.8	19.7	76.4	12.00	12.00	0.00
12,025.0	36.29	14.60	12,005.2	89.6	23.3	90.3	12.00	12.00	0.00
12,050.0	39.29	14.60	12,024.9	104.4	27.2	105.3	12.00	12.00	0.00
12,075.0	42.29	14.60	12,043.9	120.2	31.3	121.2	12.00	12.00	0.00
12,100.0	45.29	14.60	12,061.9	137.0	35.7	138.1	12.00	12.00	0.00
12,125.0	48.29	14.60	12,079.0	154.6	40.3	155.8	12.00	12.00	0.00
12,150.0	51.29	14.60	12,095.2	173.1	45.1	174.5	12.00	12.00	0.00
12,175.0	54.29	14.60	12,110.3	192.3	50.1	193.9	12.00	12.00	0.00
12,200.0	57.29	14.60	12,124.3	212.3	55.3	214.0	12.00	12.00	0.00
12,225.0	60.29	14.60	12,137.3	233.0	60.7	234.9	12.00	12.00	0.00
12,250.0	63.29	14.60	12,149.1	254.4	66.3	256.4	12.00	12.00	0.00
12,275.0	66.29	14.60	12,159.8	276.2	72.0	278.4	12.00	12.00	0.00
12,300.0	69.29	14.60	12,169.2	298.6	77.8	301.0	12.00	12.00	0.00
12,325.0	72.29	14.60	12,177.4	321.5	83.7	324.0	12.00	12.00	0.00
12,350.0	75.29	14.60	12,184.4	344.7	89.8	347.5	12.00	12.00	0.00
12,375.0	78.29	14.60	12,190.1	368.3	95.9	371.2	12.00	12.00	0.00
12,400.0	81.29	14.60	12,194.6	392.1	102.1	395.2	12.00	12.00	0.00
12,425.0	84.29	14.60	12,197.7	416.1	108.4	419.4	12.00	12.00	0.00
12,450.0	87.29	14.60	12,199.5	440.2	114.7	443.7	12.00	12.00	0.00
12,476.8	90.50	14.60	12,200.0	466.1	121.4	469.8	12.00	12.00	0.00
12,500.0	90.50	13.90	12,199.8	488.6	127.1	492.5	3.00	0.00	-3.00
12,600.0	90.50	10.90	12,199.0	586.2	148.6	590.8	3.00	0.00	-3.00
12,700.0	90.50	7.90	12,198.1	684.9	164.9	689.9	3.00	0.00	-3.00
12,800.0	90.50	4.90	12,197.2	784.3	176.1	789.6	3.00	0.00	-3.00
12,900.0	90.50	1.90	12,196.3	884.1	182.0	889.5	3.00	0.00	-3.00
12,975.8	90.50	359.63	12,195.7	959.8	183.0	965.3	3.00	0.00	-3.00
13,000.0	90.50	359.63	12,195.5	984.0	182.9	989.5	0.00	0.00	0.00
13,100.0	90.50	359.63	12,194.6	1,084.0	182.2	1,089.4	0.00	0.00	0.00
13,200.0	90.50	359.63	12,193.7	1,184.0	181.6	1,189.3	0.00	0.00	0.00
13,300.0	90.50	359.63	12,192.9	1,284.0	180.9	1,289.3	0.00	0.00	0.00
13,400.0	90.50	359.63	12,192.0	1,384.0	180.3	1,389.2	0.00	0.00	0.00
13,500.0	90.50	359.63	12,191.1	1,484.0	179.6	1,489.1	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Osprey 10
Well: Osprey 10 #1H
Wellbore: OH
Design: Plan #2

Local Co-ordinate Reference: Well Osprey 10 #1H
TVD Reference: WELL @ 3363.0usft (3333' GL + 30' KB)
MD Reference: WELL @ 3363.0usft (3333' GL + 30' KB)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,600.0	90.50	359.63	12,190.2	1,584.0	179.0	1,589.0	0.00	0.00	0.00
13,700.0	90.50	359.63	12,189.4	1,684.0	178.3	1,688.9	0.00	0.00	0.00
13,800.0	90.50	359.63	12,188.5	1,784.0	177.7	1,788.9	0.00	0.00	0.00
13,900.0	90.50	359.63	12,187.6	1,884.0	177.1	1,888.8	0.00	0.00	0.00
14,000.0	90.50	359.63	12,186.8	1,984.0	176.4	1,988.7	0.00	0.00	0.00
14,100.0	90.50	359.63	12,185.9	2,084.0	175.8	2,088.6	0.00	0.00	0.00
14,200.0	90.50	359.63	12,185.0	2,184.0	175.1	2,188.5	0.00	0.00	0.00
14,300.0	90.50	359.63	12,184.2	2,284.0	174.5	2,288.4	0.00	0.00	0.00
14,400.0	90.50	359.63	12,183.3	2,384.0	173.8	2,388.4	0.00	0.00	0.00
14,500.0	90.50	359.63	12,182.4	2,484.0	173.2	2,488.3	0.00	0.00	0.00
14,600.0	90.50	359.63	12,181.5	2,583.9	172.5	2,588.2	0.00	0.00	0.00
14,700.0	90.50	359.63	12,180.7	2,683.9	171.9	2,688.1	0.00	0.00	0.00
14,800.0	90.50	359.63	12,179.8	2,783.9	171.2	2,788.0	0.00	0.00	0.00
14,900.0	90.50	359.63	12,178.9	2,883.9	170.6	2,888.0	0.00	0.00	0.00
15,000.0	90.50	359.63	12,178.1	2,983.9	169.9	2,987.9	0.00	0.00	0.00
15,100.0	90.50	359.63	12,177.2	3,083.9	169.3	3,087.8	0.00	0.00	0.00
15,200.0	90.50	359.63	12,176.3	3,183.9	168.6	3,187.7	0.00	0.00	0.00
15,300.0	90.50	359.63	12,175.5	3,283.9	168.0	3,287.6	0.00	0.00	0.00
15,400.0	90.50	359.63	12,174.6	3,383.9	167.4	3,387.6	0.00	0.00	0.00
15,500.0	90.50	359.63	12,173.7	3,483.9	166.7	3,487.5	0.00	0.00	0.00
15,600.0	90.50	359.63	12,172.8	3,583.9	166.1	3,587.4	0.00	0.00	0.00
15,700.0	90.50	359.63	12,172.0	3,683.9	165.4	3,687.3	0.00	0.00	0.00
15,800.0	90.50	359.63	12,171.1	3,783.9	164.8	3,787.2	0.00	0.00	0.00
15,900.0	90.50	359.63	12,170.2	3,883.9	164.1	3,887.2	0.00	0.00	0.00
16,000.0	90.50	359.63	12,169.4	3,983.9	163.5	3,987.1	0.00	0.00	0.00
16,100.0	90.50	359.63	12,168.5	4,083.9	162.8	4,087.0	0.00	0.00	0.00
16,200.0	90.50	359.63	12,167.6	4,183.9	162.2	4,186.9	0.00	0.00	0.00
16,300.0	90.50	359.63	12,166.8	4,283.8	161.5	4,286.8	0.00	0.00	0.00
16,400.0	90.50	359.63	12,165.9	4,383.8	160.9	4,386.8	0.00	0.00	0.00
16,500.0	90.50	359.63	12,165.0	4,483.8	160.2	4,486.7	0.00	0.00	0.00
16,600.0	90.50	359.63	12,164.1	4,583.8	159.6	4,586.6	0.00	0.00	0.00
16,700.0	90.50	359.63	12,163.3	4,683.8	158.9	4,686.5	0.00	0.00	0.00
16,800.0	90.50	359.63	12,162.4	4,783.8	158.3	4,786.4	0.00	0.00	0.00
16,846.2	90.50	359.63	12,162.0	4,830.0	158.0	4,832.6	0.00	0.00	0.00

Osprey 10 #1H BHL

Design Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- Shape									
Osprey 10 #1H BHL	0.00	0.01	12,162.0	4,830.0	158.0	419,933.00	768,859.00	32° 9' 5.511 N	103° 27' 52.611 W
- plan hits target center									
- Point									