

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-40926
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Dragon 36 State
8. Well Number 4H
9. OGRID Number 7377
10. Pool name or Wildcat Red Hills; Upper Bone Spring Shale

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
EOG Resources, Inc. / OCT 20 2014

3. Address of Operator
P.O. Box 2267 Midland, TX 79702 RECEIVED

4. Well Location
Unit Letter N 220 feet from the South line and 1995 feet from the West line
Section 36 Township 24S Range 33E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3479' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

EOG Resources requests an amendment to our approved APD to reflect a change in BHL and TD.

The new BHL is 230' FNL & 2031' FWL, U/L C, Section 36, T24S, R33E.
The new TD is 14248' TMD, 9450' TVD.

A revised C-102, directional plan, and drill plan are attached.

Spud Date: Rig Release Date:

E-PERMITTING
P&A NR P&A R
INT to P&A
CSNG
TA

Chng Loc ☒ BkL ☒ dn

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 10/16/14

Type or print name Stan Wagner E-mail address: PHONE: 432-686-3689

For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 10/21/14

Conditions of Approval (if any):

OCT 22 2014

Revised Permit Information:

OCT 20 2014

Well Name: Dragon 36 State No. 4H

RECEIVED

Location:

SL: 220' FSL & 1995' FWL, Section 36, T-24-S, R-33-E, Lea Co., N.M.

BHL: 230' FNL & 2031' FWL, Section 36, T-24-S, R-33-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 – 1230'	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'-14,248'	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
1230'	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
14,248'	375	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
	400	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
	1300	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:

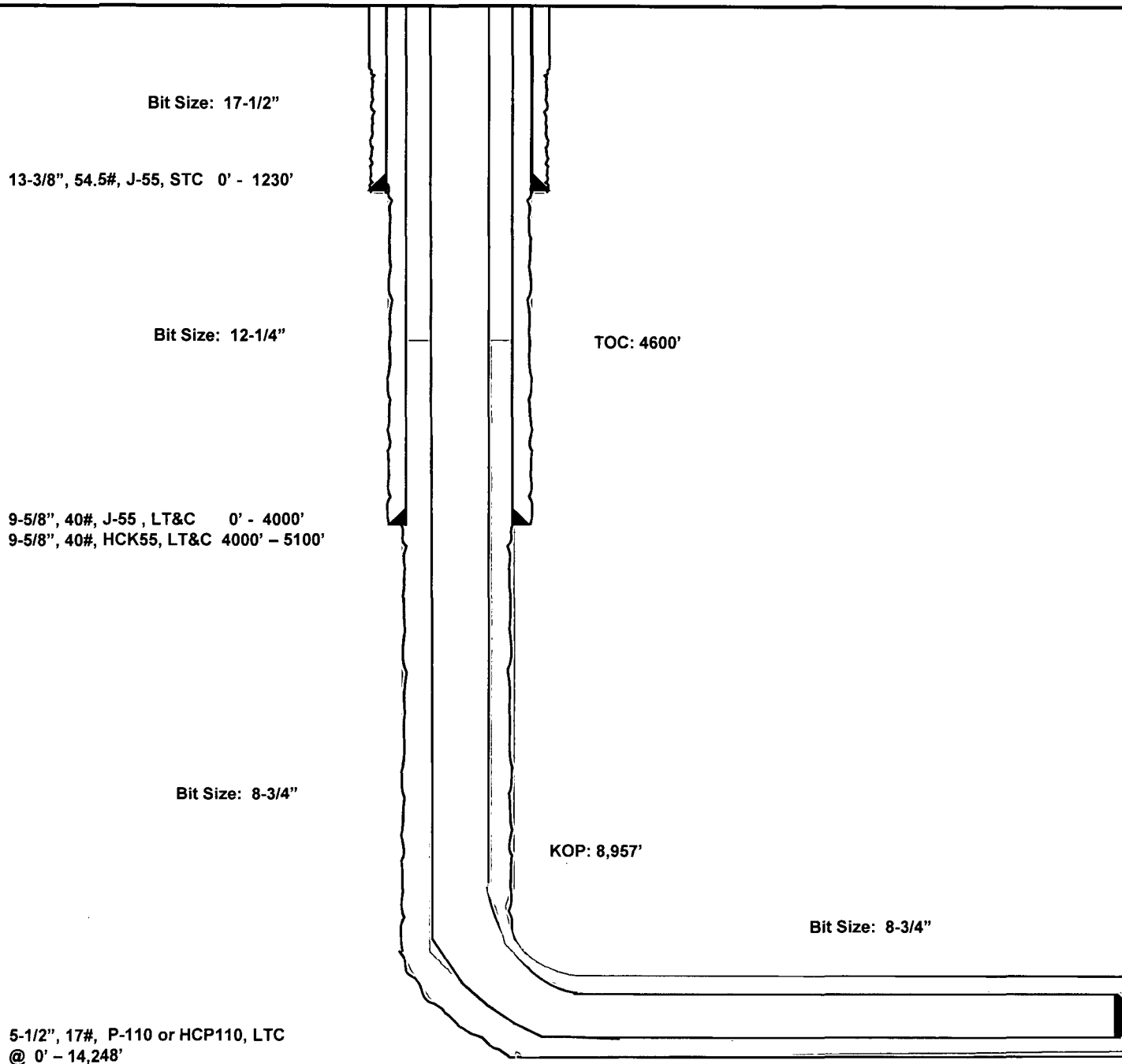
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1230'	Fresh - Gel	8.6-8.8	28-34	N/c
1230' – 5,100'	Brine	10.0-10.2	28-34	N/c
5,100' – 8,957'	Cut Brine	8.4-9.0	28-34	N/c
KOP – 14,248' Lateral	Cut Brine	9.0-9.5	40-42	8-10

Dragon 36 State #4H
Pitchfork Ranch
Lea County, New Mexico
Proposed Wellbore
Revised 10/16/14

220' FSL
1995' FWL
Section 36
T-24-S, R-33-E

API: 30-025-40926

KB: 3,509'
GL: 3,479'



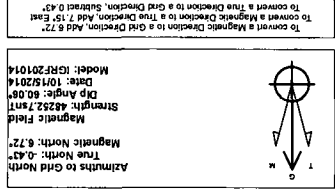
Lateral: 14,248' MD, 9,450' TVD

BH Location: 230' FNL & 2031' FWL
Section 36
T-24-S, R-33-E

Lea County, NM (NAD 27 NME)
Dragon 36 State #4H
Cactus 123
Plan #1

PROJECT DETAILS: Lea County, NM (NAD 27 NME)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico East 3001
 System Datum: Mean Sea Level

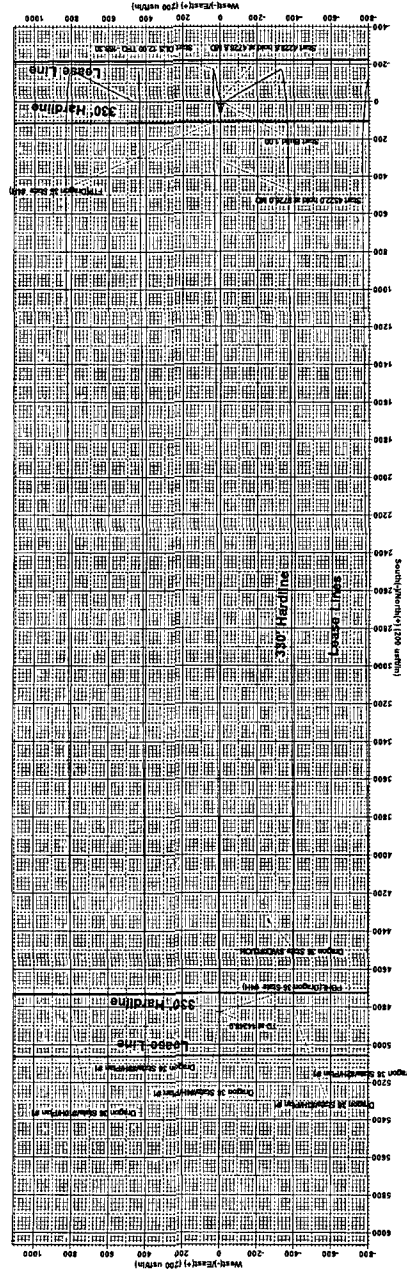
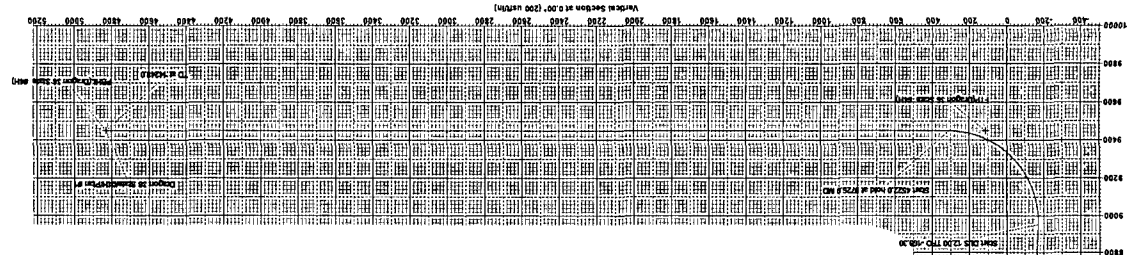
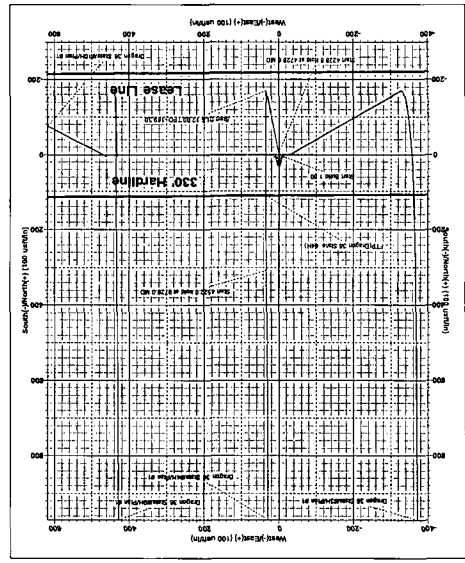
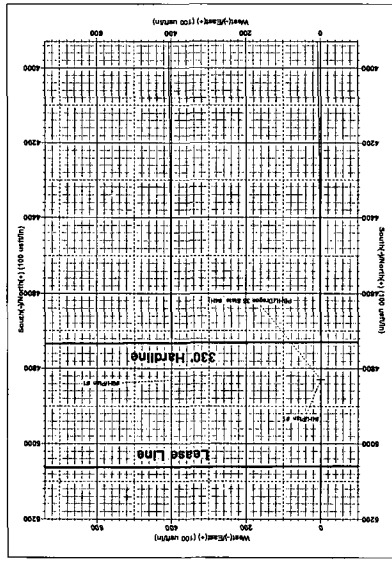
WELL DETAILS: #4H
 KB = 30 @ 3508.00 (Cactus 123)
 Ground Level: 3479.0
 Easting: 749304.00
 Northing: 42514.00
 Longitude: 103° 31' 39.570 W
 Latitude: 32° 10' 2.342 N



SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/S	+E/W	Dip	Trace	VSect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	4500.0	0.00	4500.0	0.0	0.0	0.0	0.0	0.0	0.0
3	4728.6	2.29	168.88	4728.6	-4.6	0.9	1.00	168.88	-4.6
4	8967.3	2.29	168.88	8967.3	-170.0	33.4	0.00	0.00	-170.0
5	9726.0	90.00	359.57	9450.0	207.1	32.5	12.00	-159.30	207.1
6	14248.0	90.00	359.57	9450.0	0.0	0.00	0.00	0.00	4829.0

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)									
Name	FP(Dragon 36 State #4H)	TVD	+N/S	+E/W	North	East	North	East	Annotation
PBHL(Dragon 36 State #4H)		8450.0	4829.0	0.0	430343.00	749304.00			

CASINO DETAILS
 No casing data is available





HOEBS OCD

OCT 20 2014

RECEIVED

EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Dragon 36 State

#4H

OH

Plan: Plan #1

Standard Planning Report

15 October, 2014



EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #4H
Company:	EOG Resources - Midland	TVD Reference:	KB = 30 @ 3509.0usft (Cactus 123)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 30 @ 3509.0usft (Cactus 123)
Site:	Dragon 36 State	North Reference:	Grid
Well:	#4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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	Dragon 36 State				
Site Position:		Northing:	425,530.00 usft	Latitude:	32° 10' 2.209 N
From:	Map	Easting:	751,878.00 usft	Longitude:	103° 31' 9.625 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.43 °

Well	#4H					
Well Position	+N/-S	-16.0 usft	Northing:	425,514.00 usft	Latitude:	32° 10' 2.242 N
	+E/-W	-2,574.0 usft	Easting:	749,304.00 usft	Longitude:	103° 31' 39.570 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,479.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF201014	10/15/2014	7.15	60.06	48,253

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	0.00

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	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,728.6	2.29	168.88	4,728.6	-4.5	0.9	1.00	1.00	0.00	168.88	
8,957.3	2.29	168.88	8,953.8	-170.0	33.4	0.00	0.00	0.00	0.00	
9,726.0	90.00	359.57	9,450.0	307.1	33.5	12.00	11.41	-22.02	-169.30	
14,248.0	90.00	359.57	9,450.0	4,829.0	0.0	0.00	0.00	0.00	0.00	PBHL(Dragon 36 Sta)



EOG Resources, Inc.

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #4H
Company:	EOG Resources - Midland	TVD Reference:	KB = 30 @ 3509.0usft (Cactus 123)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 30 @ 3509.0usft (Cactus 123)
Site:	Dragon 36 State	North Reference:	Grid
Well:	#4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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	1.00	168.88	4,600.0	-0.9	0.2	-0.9	1.00	1.00	0.00
4,700.0	2.00	168.88	4,700.0	-3.4	0.7	-3.4	1.00	1.00	0.00
4,728.6	2.29	168.88	4,728.6	-4.5	0.9	-4.5	1.00	1.00	0.00
4,800.0	2.29	168.88	4,799.9	-7.3	1.4	-7.3	0.00	0.00	0.00
4,900.0	2.29	168.88	4,899.8	-11.2	2.2	-11.2	0.00	0.00	0.00
5,000.0	2.29	168.88	4,999.7	-15.1	3.0	-15.1	0.00	0.00	0.00
5,100.0	2.29	168.88	5,099.6	-19.0	3.7	-19.0	0.00	0.00	0.00
5,200.0	2.29	168.88	5,199.6	-22.9	4.5	-22.9	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #4H
Company:	EOG Resources - Midland	TVD Reference:	KB = 30 @ 3509.0usft (Cactus 123)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 30 @ 3509.0usft (Cactus 123)
Site:	Dragon 36 State	North Reference:	Grid
Well:	#4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)
5,300.0	2.29	168.88	5,299.5	-26.8	5.3	-26.8	0.00	0.00	0.00
5,400.0	2.29	168.88	5,399.4	-30.8	6.0	-30.8	0.00	0.00	0.00
5,500.0	2.29	168.88	5,499.3	-34.7	6.8	-34.7	0.00	0.00	0.00
5,600.0	2.29	168.88	5,599.2	-38.6	7.6	-38.6	0.00	0.00	0.00
5,700.0	2.29	168.88	5,699.2	-42.5	8.4	-42.5	0.00	0.00	0.00
5,800.0	2.29	168.88	5,799.1	-46.4	9.1	-46.4	0.00	0.00	0.00
5,900.0	2.29	168.88	5,899.0	-50.3	9.9	-50.3	0.00	0.00	0.00
6,000.0	2.29	168.88	5,998.9	-54.2	10.7	-54.2	0.00	0.00	0.00
6,100.0	2.29	168.88	6,098.8	-58.2	11.4	-58.2	0.00	0.00	0.00
6,200.0	2.29	168.88	6,198.8	-62.1	12.2	-62.1	0.00	0.00	0.00
6,300.0	2.29	168.88	6,298.7	-66.0	13.0	-66.0	0.00	0.00	0.00
6,400.0	2.29	168.88	6,398.6	-69.9	13.7	-69.9	0.00	0.00	0.00
6,500.0	2.29	168.88	6,498.5	-73.8	14.5	-73.8	0.00	0.00	0.00
6,600.0	2.29	168.88	6,598.4	-77.7	15.3	-77.7	0.00	0.00	0.00
6,700.0	2.29	168.88	6,698.4	-81.6	16.0	-81.6	0.00	0.00	0.00
6,800.0	2.29	168.88	6,798.3	-85.6	16.8	-85.6	0.00	0.00	0.00
6,900.0	2.29	168.88	6,898.2	-89.5	17.6	-89.5	0.00	0.00	0.00
7,000.0	2.29	168.88	6,998.1	-93.4	18.4	-93.4	0.00	0.00	0.00
7,100.0	2.29	168.88	7,098.1	-97.3	19.1	-97.3	0.00	0.00	0.00
7,200.0	2.29	168.88	7,198.0	-101.2	19.9	-101.2	0.00	0.00	0.00
7,300.0	2.29	168.88	7,297.9	-105.1	20.7	-105.1	0.00	0.00	0.00
7,400.0	2.29	168.88	7,397.8	-109.0	21.4	-109.0	0.00	0.00	0.00
7,500.0	2.29	168.88	7,497.7	-112.9	22.2	-112.9	0.00	0.00	0.00
7,600.0	2.29	168.88	7,597.7	-116.9	23.0	-116.9	0.00	0.00	0.00
7,700.0	2.29	168.88	7,697.6	-120.8	23.7	-120.8	0.00	0.00	0.00
7,800.0	2.29	168.88	7,797.5	-124.7	24.5	-124.7	0.00	0.00	0.00
7,900.0	2.29	168.88	7,897.4	-128.6	25.3	-128.6	0.00	0.00	0.00
8,000.0	2.29	168.88	7,997.3	-132.5	26.0	-132.5	0.00	0.00	0.00
8,100.0	2.29	168.88	8,097.3	-136.4	26.8	-136.4	0.00	0.00	0.00
8,200.0	2.29	168.88	8,197.2	-140.3	27.6	-140.3	0.00	0.00	0.00
8,300.0	2.29	168.88	8,297.1	-144.3	28.4	-144.3	0.00	0.00	0.00
8,400.0	2.29	168.88	8,397.0	-148.2	29.1	-148.2	0.00	0.00	0.00
8,500.0	2.29	168.88	8,496.9	-152.1	29.9	-152.1	0.00	0.00	0.00
8,600.0	2.29	168.88	8,596.9	-156.0	30.7	-156.0	0.00	0.00	0.00
8,700.0	2.29	168.88	8,696.8	-159.9	31.4	-159.9	0.00	0.00	0.00
8,800.0	2.29	168.88	8,796.7	-163.8	32.2	-163.8	0.00	0.00	0.00
8,900.0	2.29	168.88	8,896.6	-167.7	33.0	-167.7	0.00	0.00	0.00
8,957.3	2.29	168.88	8,953.8	-170.0	33.4	-170.0	0.00	0.00	0.00
8,975.0	0.44	105.06	8,971.6	-170.4	33.5	-170.4	12.00	-10.40	-359.75
9,000.0	2.91	7.94	8,996.6	-169.7	33.7	-169.7	12.00	9.89	-388.47
9,025.0	5.90	3.69	9,021.5	-167.8	33.9	-167.8	12.00	11.94	-17.03
9,050.0	8.89	2.29	9,046.3	-164.6	34.1	-164.6	12.00	11.98	-5.59
9,075.0	11.89	1.59	9,070.9	-160.1	34.2	-160.1	12.00	11.99	-2.79
9,100.0	14.89	1.17	9,095.2	-154.3	34.3	-154.3	12.00	11.99	-1.68
9,125.0	17.89	0.89	9,119.2	-147.3	34.5	-147.3	12.00	12.00	-1.13
9,150.0	20.89	0.69	9,142.7	-139.0	34.6	-139.0	12.00	12.00	-0.81
9,175.0	23.89	0.53	9,165.8	-129.5	34.7	-129.5	12.00	12.00	-0.62
9,200.0	26.89	0.41	9,188.4	-118.7	34.8	-118.7	12.00	12.00	-0.49
9,225.0	29.89	0.31	9,210.4	-106.9	34.8	-106.9	12.00	12.00	-0.39
9,250.0	32.88	0.23	9,231.8	-93.8	34.9	-93.8	12.00	12.00	-0.33
9,275.0	35.88	0.16	9,252.4	-79.7	35.0	-79.7	12.00	12.00	-0.28
9,300.0	38.88	0.10	9,272.3	-64.6	35.0	-64.6	12.00	12.00	-0.24
9,325.0	41.88	0.05	9,291.3	-48.4	35.0	-48.4	12.00	12.00	-0.21
9,350.0	44.88	0.00	9,309.5	-31.2	35.0	-31.2	12.00	12.00	-0.19



EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #4H
Company:	EOG Resources - Midland	TVD Reference:	KB = 30 @ 3509.0usft (Cactus 123)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 30 @ 3509.0usft (Cactus 123)
Site:	Dragon 36 State	North Reference:	Grid
Well:	#4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)
9,375.0	47.88	359.96	9,326.7	-13.1	35.0	-13.1	12.00	12.00	-0.17
9,400.0	50.88	359.92	9,343.0	5.9	35.0	5.9	12.00	12.00	-0.15
9,425.0	53.88	359.88	9,358.2	25.7	35.0	25.7	12.00	12.00	-0.14
9,450.0	56.88	359.85	9,372.4	46.3	34.9	46.3	12.00	12.00	-0.13
9,475.0	59.88	359.82	9,385.5	67.5	34.8	67.5	12.00	12.00	-0.12
9,500.0	62.88	359.79	9,397.5	89.5	34.8	89.5	12.00	12.00	-0.12
9,525.0	65.88	359.76	9,408.3	112.0	34.7	112.0	12.00	12.00	-0.11
9,540.1	67.69	359.75	9,414.3	125.9	34.6	125.9	12.00	12.00	-0.11
FTP(Dragon 36 State #4H)									
9,550.0	68.88	359.74	9,417.9	135.1	34.6	135.1	12.00	12.00	-0.10
9,575.0	71.88	359.71	9,426.3	158.7	34.5	158.7	12.00	12.00	-0.10
9,600.0	74.88	359.69	9,433.5	182.6	34.3	182.6	12.00	12.00	-0.10
9,625.0	77.88	359.67	9,439.4	206.9	34.2	206.9	12.00	12.00	-0.09
9,650.0	80.88	359.64	9,444.0	231.5	34.1	231.5	12.00	12.00	-0.09
9,675.0	83.88	359.62	9,447.3	256.2	33.9	256.2	12.00	12.00	-0.09
9,700.0	86.88	359.60	9,449.3	281.2	33.7	281.2	12.00	12.00	-0.09
9,726.0	90.00	359.57	9,450.0	307.1	33.5	307.1	12.00	12.00	-0.09
9,800.0	90.00	359.57	9,450.0	381.1	33.0	381.1	0.00	0.00	0.00
9,900.0	90.00	359.57	9,450.0	481.1	32.3	481.1	0.00	0.00	0.00
10,000.0	90.00	359.57	9,450.0	581.1	31.5	581.1	0.00	0.00	0.00
10,100.0	90.00	359.57	9,450.0	681.1	30.8	681.1	0.00	0.00	0.00
10,200.0	90.00	359.57	9,450.0	781.1	30.0	781.1	0.00	0.00	0.00
10,300.0	90.00	359.57	9,450.0	881.1	29.3	881.1	0.00	0.00	0.00
10,400.0	90.00	359.57	9,450.0	981.1	28.5	981.1	0.00	0.00	0.00
10,500.0	90.00	359.57	9,450.0	1,081.1	27.8	1,081.1	0.00	0.00	0.00
10,600.0	90.00	359.57	9,450.0	1,181.1	27.1	1,181.1	0.00	0.00	0.00
10,700.0	90.00	359.57	9,450.0	1,281.1	26.3	1,281.1	0.00	0.00	0.00
10,800.0	90.00	359.57	9,450.0	1,381.1	25.6	1,381.1	0.00	0.00	0.00
10,900.0	90.00	359.57	9,450.0	1,481.1	24.8	1,481.1	0.00	0.00	0.00
11,000.0	90.00	359.57	9,450.0	1,581.1	24.1	1,581.1	0.00	0.00	0.00
11,100.0	90.00	359.57	9,450.0	1,681.1	23.4	1,681.1	0.00	0.00	0.00
11,200.0	90.00	359.57	9,450.0	1,781.1	22.6	1,781.1	0.00	0.00	0.00
11,300.0	90.00	359.57	9,450.0	1,881.1	21.9	1,881.1	0.00	0.00	0.00
11,400.0	90.00	359.57	9,450.0	1,981.1	21.1	1,981.1	0.00	0.00	0.00
11,500.0	90.00	359.57	9,450.0	2,081.1	20.4	2,081.1	0.00	0.00	0.00
11,600.0	90.00	359.57	9,450.0	2,181.1	19.6	2,181.1	0.00	0.00	0.00
11,700.0	90.00	359.57	9,450.0	2,281.1	18.9	2,281.1	0.00	0.00	0.00
11,800.0	90.00	359.57	9,450.0	2,381.1	18.2	2,381.1	0.00	0.00	0.00
11,900.0	90.00	359.57	9,450.0	2,481.1	17.4	2,481.1	0.00	0.00	0.00
12,000.0	90.00	359.57	9,450.0	2,581.1	16.7	2,581.1	0.00	0.00	0.00
12,100.0	90.00	359.57	9,450.0	2,681.1	15.9	2,681.1	0.00	0.00	0.00
12,200.0	90.00	359.57	9,450.0	2,781.1	15.2	2,781.1	0.00	0.00	0.00
12,300.0	90.00	359.57	9,450.0	2,881.1	14.5	2,881.1	0.00	0.00	0.00
12,400.0	90.00	359.57	9,450.0	2,981.1	13.7	2,981.1	0.00	0.00	0.00
12,500.0	90.00	359.57	9,450.0	3,081.1	13.0	3,081.1	0.00	0.00	0.00
12,600.0	90.00	359.57	9,450.0	3,181.1	12.2	3,181.1	0.00	0.00	0.00
12,700.0	90.00	359.57	9,450.0	3,281.1	11.5	3,281.1	0.00	0.00	0.00
12,800.0	90.00	359.57	9,450.0	3,381.1	10.7	3,381.1	0.00	0.00	0.00
12,900.0	90.00	359.57	9,450.0	3,481.1	10.0	3,481.1	0.00	0.00	0.00
13,000.0	90.00	359.57	9,450.0	3,581.1	9.3	3,581.1	0.00	0.00	0.00
13,100.0	90.00	359.57	9,450.0	3,681.1	8.5	3,681.1	0.00	0.00	0.00
13,200.0	90.00	359.57	9,450.0	3,781.0	7.8	3,781.0	0.00	0.00	0.00
13,300.0	90.00	359.57	9,450.0	3,881.0	7.0	3,881.0	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #4H
Company:	EOG Resources - Midland	TVD Reference:	KB = 30 @ 3509.0usft (Cactus 123)
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 30 @ 3509.0usft (Cactus 123)
Site:	Dragon 36 State	North Reference:	Grid
Well:	#4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

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)
13,400.0	90.00	359.57	9,450.0	3,981.0	6.3	3,981.0	0.00	0.00	0.00
13,500.0	90.00	359.57	9,450.0	4,081.0	5.5	4,081.0	0.00	0.00	0.00
13,600.0	90.00	359.57	9,450.0	4,181.0	4.8	4,181.0	0.00	0.00	0.00
13,700.0	90.00	359.57	9,450.0	4,281.0	4.1	4,281.0	0.00	0.00	0.00
13,800.0	90.00	359.57	9,450.0	4,381.0	3.3	4,381.0	0.00	0.00	0.00
13,900.0	90.00	359.57	9,450.0	4,481.0	2.6	4,481.0	0.00	0.00	0.00
14,000.0	90.00	359.57	9,450.0	4,581.0	1.8	4,581.0	0.00	0.00	0.00
14,100.0	90.00	359.57	9,450.0	4,681.0	1.1	4,681.0	0.00	0.00	0.00
14,200.0	90.00	359.57	9,450.0	4,781.0	0.4	4,781.0	0.00	0.00	0.00
14,248.0	90.00	359.57	9,450.0	4,829.0	0.0	4,829.0	0.00	0.00	0.00
PBHL(Dragon 36 State #4H)									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP(Dragon 36 State # - plan misses target center by 38.7usft at 9540.1usft MD (9414.3 TVD, 125.9 N, 34.6 E) - Point	0.00	0.00	9,450.0	111.0	35.0	425,625.00	749,339.00	32° 10' 3.338 N	103° 31' 39.154 W
PBHL(Dragon 36 State - plan hits target center - Point	0.00	0.00	9,450.0	4,829.0	0.0	430,343.00	749,304.00	32° 10' 50.027 N	103° 31' 39.150 W