

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. 30-015-46276
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. 325170
7. Lease Name or Unit Agreement Name QUAIL 2 STATE
8. Well Number #724H
9. OGRID Number 7377
10. Pool name or Wildcat 98220 PURPLE SAGE, WOLFCAMP (GAS)

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 SUCH PROPOSALS.)	
1. Type of Well: Oil Well ☒ Gas Well ☐ Other	
2. Name of Operator EOG Resources	
3. Address of Operator PO BOX 2267, MIDLAND, TX 79702	
4. Well Location Unit Letter <u>C</u> <u>715</u> feet from the <u>NORTH</u> line and <u>2114</u> feet from the <u>WEST</u> line Section <u>2</u> Township <u>26S</u> Range <u>30E</u> NMPM County <u>EDDY CO NM</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3211 GL	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐	NAME CHANGE ☒	OTHER: ☐	
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 respectfully requests an amendment to our approved APD for this well to reflect the following changes:
Change name to Quail 2 State Com #724H

NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 09 2019

RECEIVED

Spud Date: Rig Release Date:

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

SIGNATURE Emily Follis TITLE Sr. Regulatory Administrator DATE 09/19/19

Type or print name Emily Follis E-mail address: emily_follis@eog.com PHONE: 432-848-9163

For State Use Only

APPROVED BY: Raymond H. Doolan TITLE Geologist DATE 10-9-19

Conditions of Approval (if any):

9/14/2020 ab
was mistakenly uploaded into an
incorrect file.

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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

NM OIL CONSERVATION

ARTESIA DISTRICT

FORM C-102

OCT 09 2019

Revised August 1, 2011

Submit one copy to appropriate

District Office

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46276	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
⁴ Property Code 325170 325165	⁵ Property Name QUAIL 2 STATE COM	
⁶ Well Number 724H	⁷ Elevation 3211'	
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
C	2	26-S	30-E	-	715'	NORTH	2114'	WEST	EDDY

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	2	26-S	30-E	-	230'	SOUTH	2090'	WEST	EDDY

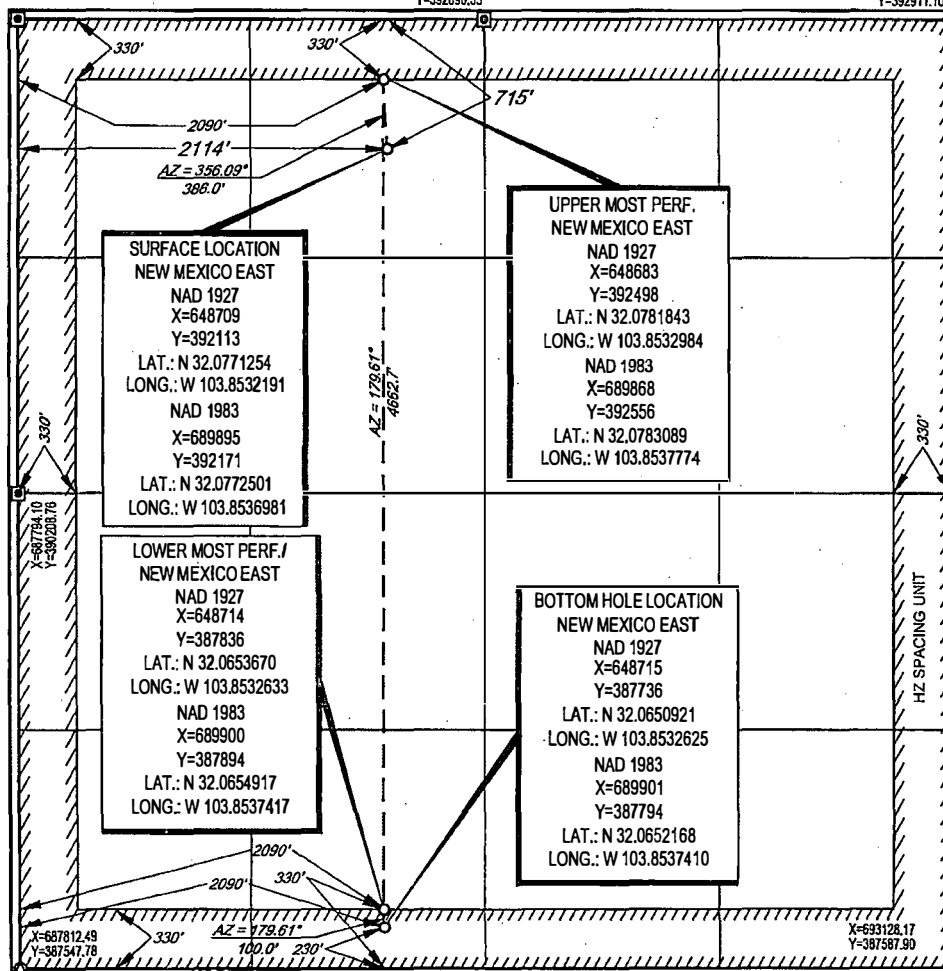
¹² Dedicated Acres 640.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

X=687776.20
Y=392690.83

X=690435.18
Y=392690.53

X=693096.53
Y=392911.10



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 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.

Emily Follis 09/19/19
Signature Date

Emily Follis
Printed Name

emily_follis@eogresources.com
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.

07/18/2019

Date of Survey
Signature and Seal of Professional Surveyor

RAMON A. DOMINGUEZ
NEW MEXICO
24508
PROFESSIONAL SURVEYOR
Certificate Number

RIP 10-949



NM OIL CONSERVATION
ARTESIA DISTRICT

OCT 09 2019

RECEIVED

EOG Resources - Midland

Eddy County, NM (NAD 83 NME)

Quail 2 State

#724H

OH

Plan: Plan #0.1

Standard Planning Report

27 August, 2019



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #724H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3236.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3236.0usft
Site:	Quail 2 State	North Reference:	Grid
Well:	#724H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Project:	Eddy County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site:	Quail 2 State		
Site Position:		Northing:	392,582.00 usft
From:	Map	Easting:	689,374.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 4' 42.190 N
		Longitude:	103° 51' 19.344 W
		Grid Convergence:	0.25 °

Well:	#724H		
Well Position	+N/-S	-411.0 usft	Northing:
	+E/-W	521.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	
		Latitude:	32° 4' 38.100 N
		Longitude:	103° 51' 13.309 W
		Ground Level:	3,211.0 usft

Wellbore:	OH		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/27/2019	6.84	59.85	47,597.75867148

Design:	Plan #0.1		
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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	179.92

Plan Survey Tool Program	Date	8/27/2019		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	16,268.8 Plan #0.1 (OH)	MWD	
			OWSG MWD - Standard	

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	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,741.6	8.83	357.67	1,739.8	33.9	-1.4	2.00	2.00	0.00	357.67	
5,634.1	8.83	357.67	5,586.2	631.1	-25.6	0.00	0.00	0.00	0.00	
6,075.6	0.00	0.00	6,026.0	665.0	-27.0	2.00	-2.00	0.00	180.00	
10,954.1	0.00	0.00	10,904.5	665.0	-27.0	0.00	0.00	0.00	0.00	KOP(Quail 2 State #7
11,704.1	90.00	179.63	11,382.0	187.5	-23.9	12.00	12.00	23.95	179.63	
16,268.8	90.00	179.63	11,382.0	-4,377.0	6.0	0.00	0.00	0.00	0.00	PBHL(Quail 2 State #



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Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3236.0usft
Site:	Quail 2 State	North Reference:	Grid
Well:	#724H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	2.00	357.67	1,400.0	1.7	-0.1	-1.7	2.00	2.00	0.00
1,500.0	4.00	357.67	1,499.8	7.0	-0.3	-7.0	2.00	2.00	0.00
1,600.0	6.00	357.67	1,599.5	15.7	-0.6	-15.7	2.00	2.00	0.00
1,700.0	8.00	357.67	1,698.7	27.9	-1.1	-27.9	2.00	2.00	0.00
1,741.6	8.83	357.67	1,739.8	33.9	-1.4	-33.9	2.00	2.00	0.00
1,800.0	8.83	357.67	1,797.6	42.9	-1.7	-42.9	0.00	0.00	0.00
1,900.0	8.83	357.67	1,896.4	58.2	-2.4	-58.2	0.00	0.00	0.00
2,000.0	8.83	357.67	1,995.2	73.6	-3.0	-73.6	0.00	0.00	0.00
2,100.0	8.83	357.67	2,094.0	88.9	-3.6	-88.9	0.00	0.00	0.00
2,200.0	8.83	357.67	2,192.8	104.3	-4.2	-104.3	0.00	0.00	0.00
2,300.0	8.83	357.67	2,291.6	119.6	-4.9	-119.6	0.00	0.00	0.00
2,400.0	8.83	357.67	2,390.4	134.9	-5.5	-134.9	0.00	0.00	0.00
2,500.0	8.83	357.67	2,489.3	150.3	-6.1	-150.3	0.00	0.00	0.00
2,600.0	8.83	357.67	2,588.1	165.6	-6.7	-165.6	0.00	0.00	0.00
2,700.0	8.83	357.67	2,686.9	181.0	-7.3	-181.0	0.00	0.00	0.00
2,800.0	8.83	357.67	2,785.7	196.3	-8.0	-196.3	0.00	0.00	0.00
2,900.0	8.83	357.67	2,884.5	211.6	-8.6	-211.7	0.00	0.00	0.00
3,000.0	8.83	357.67	2,983.3	227.0	-9.2	-227.0	0.00	0.00	0.00
3,100.0	8.83	357.67	3,082.1	242.3	-9.8	-242.3	0.00	0.00	0.00
3,200.0	8.83	357.67	3,181.0	257.7	-10.5	-257.7	0.00	0.00	0.00
3,300.0	8.83	357.67	3,279.8	273.0	-11.1	-273.0	0.00	0.00	0.00
3,400.0	8.83	357.67	3,378.6	288.3	-11.7	-288.4	0.00	0.00	0.00
3,500.0	8.83	357.67	3,477.4	303.7	-12.3	-303.7	0.00	0.00	0.00
3,600.0	8.83	357.67	3,576.2	319.0	-13.0	-319.0	0.00	0.00	0.00
3,700.0	8.83	357.67	3,675.0	334.4	-13.6	-334.4	0.00	0.00	0.00
3,800.0	8.83	357.67	3,773.8	349.7	-14.2	-349.7	0.00	0.00	0.00
3,900.0	8.83	357.67	3,872.7	365.0	-14.8	-365.1	0.00	0.00	0.00
4,000.0	8.83	357.67	3,971.5	380.4	-15.4	-380.4	0.00	0.00	0.00
4,100.0	8.83	357.67	4,070.3	395.7	-16.1	-395.8	0.00	0.00	0.00
4,200.0	8.83	357.67	4,169.1	411.1	-16.7	-411.1	0.00	0.00	0.00
4,300.0	8.83	357.67	4,267.9	426.4	-17.3	-426.4	0.00	0.00	0.00
4,400.0	8.83	357.67	4,366.7	441.8	-17.9	-441.8	0.00	0.00	0.00
4,500.0	8.83	357.67	4,465.5	457.1	-18.6	-457.1	0.00	0.00	0.00
4,600.0	8.83	357.67	4,564.4	472.4	-19.2	-472.5	0.00	0.00	0.00
4,700.0	8.83	357.67	4,663.2	487.8	-19.8	-487.8	0.00	0.00	0.00
4,800.0	8.83	357.67	4,762.0	503.1	-20.4	-503.1	0.00	0.00	0.00
4,900.0	8.83	357.67	4,860.8	518.5	-21.1	-518.5	0.00	0.00	0.00
5,000.0	8.83	357.67	4,959.6	533.8	-21.7	-533.8	0.00	0.00	0.00
5,100.0	8.83	357.67	5,058.4	549.1	-22.3	-549.2	0.00	0.00	0.00
5,200.0	8.83	357.67	5,157.2	564.5	-22.9	-564.5	0.00	0.00	0.00



Planning Report

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Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3236.0usft
Site:	Quail 2 State	North Reference:	Grid
Well:	#724H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	8.83	357.67	5,256.1	579.8	-23.5	-579.8	0.00	0.00	0.00	
5,400.0	8.83	357.67	5,354.9	595.2	-24.2	-595.2	0.00	0.00	0.00	
5,500.0	8.83	357.67	5,453.7	610.5	-24.8	-610.5	0.00	0.00	0.00	
5,600.0	8.83	357.67	5,552.5	625.8	-25.4	-625.9	0.00	0.00	0.00	
5,634.1	8.83	357.67	5,586.2	631.1	-25.6	-631.1	0.00	0.00	0.00	
5,700.0	7.51	357.67	5,651.4	640.4	-26.0	-640.5	2.00	-2.00	0.00	
5,800.0	5.51	357.67	5,750.8	651.8	-26.5	-651.8	2.00	-2.00	0.00	
5,900.0	3.51	357.67	5,850.5	659.6	-26.8	-659.7	2.00	-2.00	0.00	
6,000.0	1.51	357.67	5,950.4	664.0	-27.0	-664.0	2.00	-2.00	0.00	
6,075.6	0.00	0.00	6,026.0	665.0	-27.0	-665.0	2.00	-2.00	0.00	
6,100.0	0.00	0.00	6,050.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,150.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,250.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,350.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,450.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,550.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,650.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,750.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,850.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,950.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
7,100.0	0.00	0.00	7,050.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,150.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,250.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,350.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,450.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,550.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,650.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,750.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,850.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,950.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,050.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,150.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,250.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,350.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,450.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,550.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,650.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,750.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,850.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,950.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,050.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,150.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,250.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,350.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,450.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,550.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,650.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,750.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,850.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,950.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
10,100.0	0.00	0.00	10,050.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
10,200.0	0.00	0.00	10,150.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
10,300.0	0.00	0.00	10,250.4	665.0	-27.0	-665.0	0.00	0.00	0.00	
10,400.0	0.00	0.00	10,350.4	665.0	-27.0	-665.0	0.00	0.00	0.00	



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #724H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3236.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3236.0usft
Site:	Quail 2 State	North Reference:	Grid
Well:	#724H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)
10,500.0	0.00	0.00	10,450.4	665.0	-27.0	-665.0	0.00	0.00	0.00
10,600.0	0.00	0.00	10,550.4	665.0	-27.0	-665.0	0.00	0.00	0.00
10,700.0	0.00	0.00	10,650.4	665.0	-27.0	-665.0	0.00	0.00	0.00
10,800.0	0.00	0.00	10,750.4	665.0	-27.0	-665.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,850.4	665.0	-27.0	-665.0	0.00	0.00	0.00
10,954.1	0.00	0.00	10,904.5	665.0	-27.0	-665.0	0.00	0.00	0.00
KOP(Quail 2 State #724H)									
10,975.0	2.50	179.63	10,925.4	664.5	-27.0	-664.6	12.00	12.00	0.00
11,000.0	5.50	179.63	10,950.3	662.8	-27.0	-662.8	12.00	12.00	0.00
11,025.0	8.50	179.63	10,975.1	659.8	-27.0	-659.8	12.00	12.00	0.00
11,050.0	11.50	179.63	10,999.7	655.4	-26.9	-655.4	12.00	12.00	0.00
11,075.0	14.50	179.63	11,024.1	649.8	-26.9	-649.8	12.00	12.00	0.00
11,100.0	17.50	179.63	11,048.1	642.9	-26.9	-642.9	12.00	12.00	0.00
11,125.0	20.50	179.63	11,071.7	634.8	-26.8	-634.8	12.00	12.00	0.00
11,150.0	23.50	179.63	11,094.9	625.4	-26.7	-625.4	12.00	12.00	0.00
11,175.0	26.50	179.63	11,117.6	614.8	-26.7	-614.9	12.00	12.00	0.00
11,200.0	29.50	179.63	11,139.6	603.1	-26.6	-603.1	12.00	12.00	0.00
11,225.0	32.50	179.63	11,161.1	590.2	-26.5	-590.2	12.00	12.00	0.00
11,250.0	35.50	179.63	11,181.8	576.2	-26.4	-576.3	12.00	12.00	0.00
11,275.0	38.50	179.63	11,201.7	561.2	-26.3	-561.2	12.00	12.00	0.00
11,300.0	41.50	179.63	11,220.9	545.1	-26.2	-545.2	12.00	12.00	0.00
11,325.0	44.50	179.63	11,239.2	528.1	-26.1	-528.1	12.00	12.00	0.00
11,350.0	47.50	179.63	11,256.5	510.1	-26.0	-510.1	12.00	12.00	0.00
11,375.0	50.50	179.63	11,272.9	491.2	-25.9	-491.3	12.00	12.00	0.00
11,400.0	53.50	179.63	11,288.3	471.5	-25.7	-471.6	12.00	12.00	0.00
11,425.0	56.50	179.63	11,302.7	451.1	-25.6	-451.1	12.00	12.00	0.00
11,450.0	59.50	179.63	11,315.9	429.9	-25.5	-429.9	12.00	12.00	0.00
11,475.0	62.50	179.63	11,328.0	408.0	-25.3	-408.0	12.00	12.00	0.00
11,500.0	65.50	179.63	11,339.0	385.5	-25.2	-385.6	12.00	12.00	0.00
11,517.3	67.58	179.63	11,345.9	369.7	-25.1	-369.7	12.00	12.00	0.00
FTP(Quail 2 State #724H)									
11,525.0	68.50	179.63	11,348.8	362.5	-25.0	-362.5	12.00	12.00	0.00
11,550.0	71.50	179.63	11,357.3	339.0	-24.9	-339.1	12.00	12.00	0.00
11,575.0	74.50	179.63	11,364.6	315.1	-24.7	-315.2	12.00	12.00	0.00
11,600.0	77.50	179.63	11,370.7	290.9	-24.6	-290.9	12.00	12.00	0.00
11,625.0	80.50	179.63	11,375.4	266.3	-24.4	-266.4	12.00	12.00	0.00
11,650.0	83.50	179.63	11,378.9	241.6	-24.2	-241.6	12.00	12.00	0.00
11,675.0	86.50	179.63	11,381.1	216.7	-24.1	-216.7	12.00	12.00	0.00
11,700.0	89.50	179.63	11,381.9	191.7	-23.9	-191.7	12.00	12.00	0.00
11,704.1	90.00	179.63	11,382.0	187.5	-23.9	-187.6	12.00	12.00	0.00
11,800.0	90.00	179.63	11,382.0	91.7	-23.2	-91.7	0.00	0.00	0.00
11,900.0	90.00	179.63	11,382.0	-8.3	-22.6	8.3	0.00	0.00	0.00
12,000.0	90.00	179.63	11,382.0	-108.3	-21.9	108.3	0.00	0.00	0.00
12,100.0	90.00	179.63	11,382.0	-208.3	-21.3	208.3	0.00	0.00	0.00
12,200.0	90.00	179.63	11,382.0	-308.3	-20.6	308.3	0.00	0.00	0.00
12,300.0	90.00	179.63	11,382.0	-408.3	-20.0	408.3	0.00	0.00	0.00
12,400.0	90.00	179.63	11,382.0	-508.3	-19.3	508.3	0.00	0.00	0.00
12,500.0	90.00	179.63	11,382.0	-608.3	-18.7	608.3	0.00	0.00	0.00
12,600.0	90.00	179.63	11,382.0	-708.3	-18.0	708.3	0.00	0.00	0.00
12,700.0	90.00	179.63	11,382.0	-808.3	-17.4	808.3	0.00	0.00	0.00
12,800.0	90.00	179.63	11,382.0	-908.3	-16.7	908.3	0.00	0.00	0.00
12,900.0	90.00	179.63	11,382.0	-1,008.3	-16.0	1,008.3	0.00	0.00	0.00
13,000.0	90.00	179.63	11,382.0	-1,108.3	-15.4	1,108.3	0.00	0.00	0.00
13,100.0	90.00	179.63	11,382.0	-1,208.3	-14.7	1,208.3	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #724H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3236.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3236.0usft
Site:	Quail 2 State	North Reference:	Grid
Well:	#724H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)	
13,200.0	90.00	179.63	11,382.0	-1,308.3	-14.1	1,308.3	0.00	0.00	0.00	
13,300.0	90.00	179.63	11,382.0	-1,408.3	-13.4	1,408.3	0.00	0.00	0.00	
13,400.0	90.00	179.63	11,382.0	-1,508.3	-12.8	1,508.3	0.00	0.00	0.00	
13,500.0	90.00	179.63	11,382.0	-1,608.3	-12.1	1,608.3	0.00	0.00	0.00	
13,600.0	90.00	179.63	11,382.0	-1,708.3	-11.5	1,708.3	0.00	0.00	0.00	
13,700.0	90.00	179.63	11,382.0	-1,808.3	-10.8	1,808.3	0.00	0.00	0.00	
13,800.0	90.00	179.63	11,382.0	-1,908.3	-10.2	1,908.3	0.00	0.00	0.00	
13,900.0	90.00	179.63	11,382.0	-2,008.3	-9.5	2,008.2	0.00	0.00	0.00	
14,000.0	90.00	179.63	11,382.0	-2,108.3	-8.8	2,108.2	0.00	0.00	0.00	
14,100.0	90.00	179.63	11,382.0	-2,208.3	-8.2	2,208.2	0.00	0.00	0.00	
14,200.0	90.00	179.63	11,382.0	-2,308.3	-7.5	2,308.2	0.00	0.00	0.00	
14,300.0	90.00	179.63	11,382.0	-2,408.3	-6.9	2,408.2	0.00	0.00	0.00	
14,400.0	90.00	179.63	11,382.0	-2,508.3	-6.2	2,508.2	0.00	0.00	0.00	
14,500.0	90.00	179.63	11,382.0	-2,608.3	-5.6	2,608.2	0.00	0.00	0.00	
14,600.0	90.00	179.63	11,382.0	-2,708.2	-4.9	2,708.2	0.00	0.00	0.00	
14,700.0	90.00	179.63	11,382.0	-2,808.2	-4.3	2,808.2	0.00	0.00	0.00	
14,800.0	90.00	179.63	11,382.0	-2,908.2	-3.6	2,908.2	0.00	0.00	0.00	
14,900.0	90.00	179.63	11,382.0	-3,008.2	-3.0	3,008.2	0.00	0.00	0.00	
15,000.0	90.00	179.63	11,382.0	-3,108.2	-2.3	3,108.2	0.00	0.00	0.00	
15,100.0	90.00	179.63	11,382.0	-3,208.2	-1.6	3,208.2	0.00	0.00	0.00	
15,200.0	90.00	179.63	11,382.0	-3,308.2	-1.0	3,308.2	0.00	0.00	0.00	
15,300.0	90.00	179.63	11,382.0	-3,408.2	-0.3	3,408.2	0.00	0.00	0.00	
15,400.0	90.00	179.63	11,382.0	-3,508.2	0.3	3,508.2	0.00	0.00	0.00	
15,500.0	90.00	179.63	11,382.0	-3,608.2	1.0	3,608.2	0.00	0.00	0.00	
15,600.0	90.00	179.63	11,382.0	-3,708.2	1.6	3,708.2	0.00	0.00	0.00	
15,700.0	90.00	179.63	11,382.0	-3,808.2	2.3	3,808.2	0.00	0.00	0.00	
15,800.0	90.00	179.63	11,382.0	-3,908.2	2.9	3,908.2	0.00	0.00	0.00	
15,900.0	90.00	179.63	11,382.0	-4,008.2	3.6	4,008.2	0.00	0.00	0.00	
16,000.0	90.00	179.63	11,382.0	-4,108.2	4.2	4,108.2	0.00	0.00	0.00	
16,100.0	90.00	179.63	11,382.0	-4,208.2	4.9	4,208.2	0.00	0.00	0.00	
16,200.0	90.00	179.63	11,382.0	-4,308.2	5.5	4,308.2	0.00	0.00	0.00	
16,268.8	90.00	179.63	11,382.0	-4,377.0	6.0	4,377.0	0.00	0.00	0.00	
PBHL(Quail 2 State #724H)										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
KOP(Quail 2 State #724 - hit/miss target - Shape - Point	0.00	0.00	10,904.5	665.0	-27.0	392,836.00	689,868.00	32° 4' 44.682 N	103° 51' 13.589 W	
FTP(Quail 2 State #724 - plan misses target center by 39.3usft at 11517.3usft MD (11345.9 TVD, 369.7 N, -25.1 E) - Point	0.00	0.00	11,382.0	385.0	-27.0	392,556.00	689,868.00	32° 4' 41.911 N	103° 51' 13.603 W	
PBHL(Quail 2 State #72 - plan hits target center - Point	0.00	0.00	11,382.0	-4,377.0	6.0	387,794.00	689,901.00	32° 3' 54.785 N	103° 51' 13.466 W	



Eddy County, NM (NAD 83 NME)

Quail 2 State #724H

Plan #0.1

PROJECT DETAILS: Eddy County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #724H

KB = 25 @ 3238.0ush
Northing 352171.06 Easting 689895.00
Latitude 32° 4' 38.100 N Longitude 103° 51' 13.399 W

Azimuths to Grid North
True North: -0.25°
Magnetic North: 0.34°
Magnetic Field
Strength: 47697.8 mT
Dip Angle: 65.83°
Date: 8/27/2018
Model: IGRF2015



To convert a Magnetic Direction to a Grid Direction, Add 0.59°
To convert a Magnetic Direction to a True Direction, Add 0.34° East
To convert a True Direction to a Grid Direction, Subtract 0.25°

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Oleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1300.0	0.00	0.00	1300.0	0.0	0.0	0.00	0.00	0.0	
3	1741.6	8.83	357.67	1739.8	33.9	-1.4	2.00	357.67	-33.9	
4	5634.1	8.83	357.67	5586.2	631.1	-25.6	0.00	0.00	-631.1	
5	6075.6	0.00	0.00	6026.0	665.0	-27.0	2.00	180.00	-665.0	
6	10954.1	0.00	0.00	10904.5	985.0	-27.0	0.00	0.00	-985.0	KOP(Quail 2 State #724H)
7	11704.1	90.00	178.63	11382.0	187.5	-23.9	12.00	178.63	-187.6	
8	16268.8	90.00	178.63	11382.0	-4377.0	6.0	0.00	0.00	4377.0	PBHL(Quail 2 State #724H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
KOP(Quail 2 State #724H)	10904.5	665.0	-27.0	312558.00	682868.00
PBHL(Quail 2 State #724H)	11382.0	-4377.0	6.0	317754.00	68901.00
FTP(Quail 2 State #724H)	11382.0	385.0	-17.0	312556.00	689888.00

