

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

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.)		WELL API NO. 30-015-46276
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator EOG Resources		6. State Oil & Gas Lease No. 325170
3. Address of Operator PO BOX 2267, MIDLAND, TX 79702		7. Lease Name or Unit Agreement Name QUAIL 2 STATE
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>		8. Well Number <u>#724H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3211 GL		9. OGRID Number 7377
		10. Pool name or Wildcat 98220 PURPLE SAGE; WOLFCAMP (GAS)

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 ☐ NAME CHANGE ☐
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 respectfully requests an amendment to our approved APD for this well to reflect the following changes:
Change name to Quail 2 State Com #724H

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 M. Doolan

TITLE

Geology ST

DATE

10-23-19

Conditions of Approval (if any):

Change NAME Entered 10-9-2019

RF

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

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 30-015-46276	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
⁴ Property Code 325470-325/65	⁵ Property Name QUAIL 2 STATE COM	⁶ Well Number 724H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3211'

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

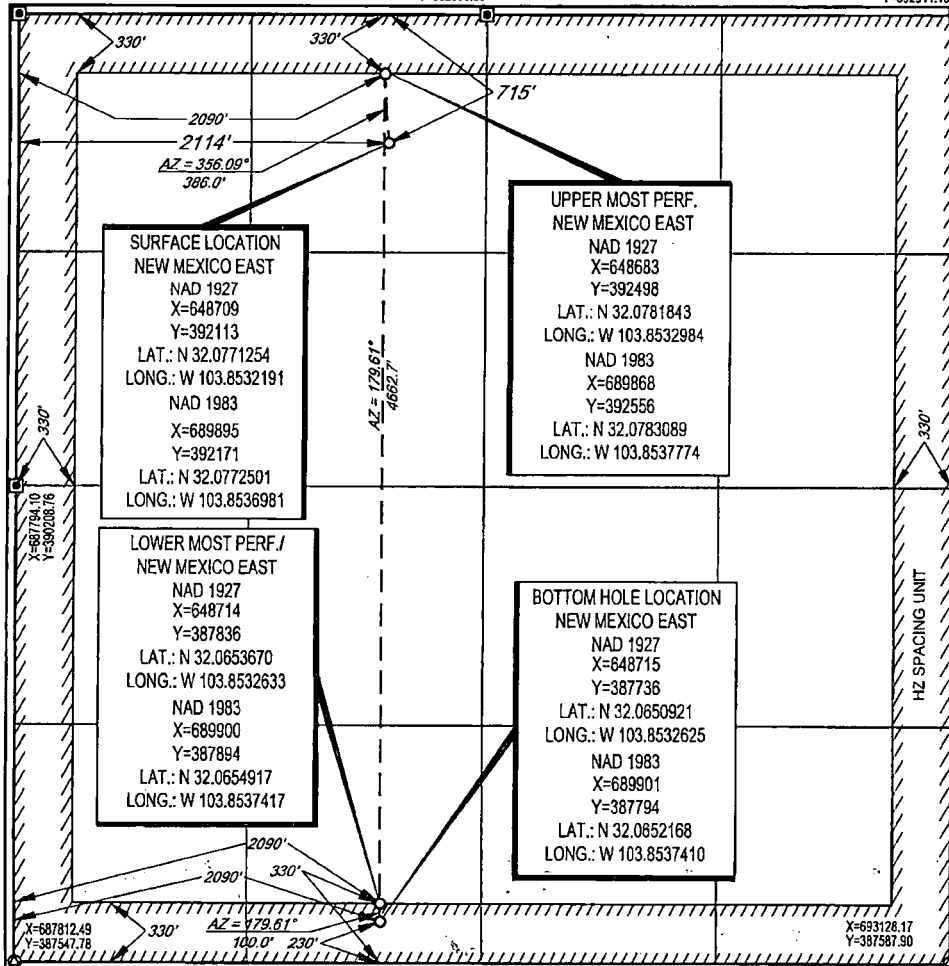
¹² Dedicated Acres 640.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	-------------------------------	----------------------------------	-------------------------

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=392869.83

X=690435.18
Y=392890.53

X=693098.53
Y=392811.10



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 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.

Emily Follis 09/19/19
Signature Date

Printed Name
Emily Follis

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 of Professional Surveyor

Ramon A. Dominguez
NEW MEXICO
24508
PROFESSIONAL SURVEYOR

Certificate Number

RUF 10-23-19



EOG Resources - Midland

Eddy County, NM (NAD 83 NME)

Quail 2 State

#724H

OH

Plan: Plan #0.1

Standard Planning Report

27 August, 2019

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

Well	#724H			
Well Position	+N/-S	-411.0 usft	Northing:	392,171.00 usft
	+E/-W	521.0 usft	Easting:	689,895.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level:	3,211.0 usft
			Latitude:	32° 4' 38.100 N
			Longitude:	103° 51' 13.309 W

Wellbore	OH				
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			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	179.92

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

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	
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 #



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)
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

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)
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

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

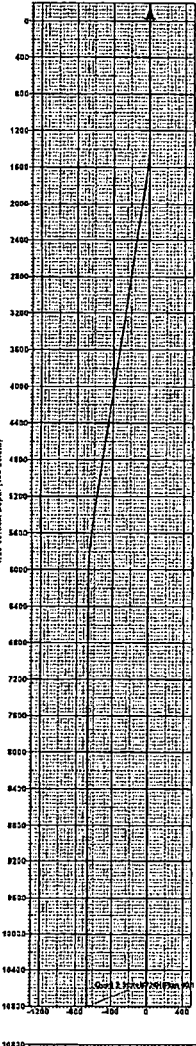
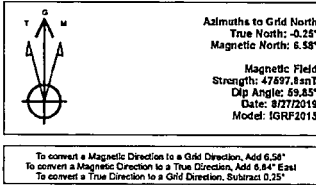
Plan #0.1

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 @ 3238.0ust
3211.0
Northing 352171.00 Easting 683655.00
Latitude 32° 4' 38.100 N Longitude 103° 51' 13.359 W



Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VFace	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	-25.8	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	665.0	-27.0	0.00	0.00	-665.0	KOP(Quail 2 State #724H)
7	11704.1	90.00	179.63	11382.0	187.5	-23.9	12.00	179.63	-187.5	PBHL(Quail 2 State #724H)
8	18268.8	90.00	179.63	11382.0	-4377.0	6.0	0.00	0.00	4377.0	

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)	18904.6	665.0	-27.0	352171.00	683655.00
PBHL(Quail 2 State #724H)	11382.0	-4377.0	6.0	352794.00	683921.00
FTP(Quail 2 State #724H)	11382.0	385.0	-27.0	352556.00	683858.00

