

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMNM128367

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
DELLA 29 FEDERAL 605H9. API Well No.
30-025-44476-00-X110. Field and Pool or Exploratory Area
LEA-BONE SPRING, SOUTH11. County or Parish, State
LEA COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EOG RESOURCES INCORPORATED-Email: stan_wagner@eogresources.com

Contact: STAN WAGNER

3a. Address

MIDLAND, TX 79702

3b. Phone No. (include area code)

Ph: 432-686-3689

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 29 T20S R34E SWSW 230FSL 1050FWL
32.537518 N Lat, 103.587616 W Lon**HOBBS OCD****NOV 28 2018****RECEIVED****12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original APD
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

EOG Resources requests an amendment to our approved APD for this well to reflect a revised BHL.

Change BHL to: 100' FNL & 1210' FWL NWNW-29-20S-34E

Field Office
Hobbs

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #434544 verified by the BLM Well Information System

For EOG RESOURCES INCORPORATED, sent to the Hobbs

Committed to AFMSS for processing by PRISCILLA PEREZ on 09/12/2018 (18PP1820SE)

Name (Printed/Typed) STAN WAGNER

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 09/10/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ZOTA STEVENS

Title PETROLEUM ENGINEER

Date 11/19/2018

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ******KZ**

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 30-025-44476		² Pool Code 37580	³ Pool Name Lea; Bone Spring South
⁴ Property Code 320792	⁵ Property Name DELLA 29 FED		⁶ Well Number #605H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.		⁹ Elevation 3709'

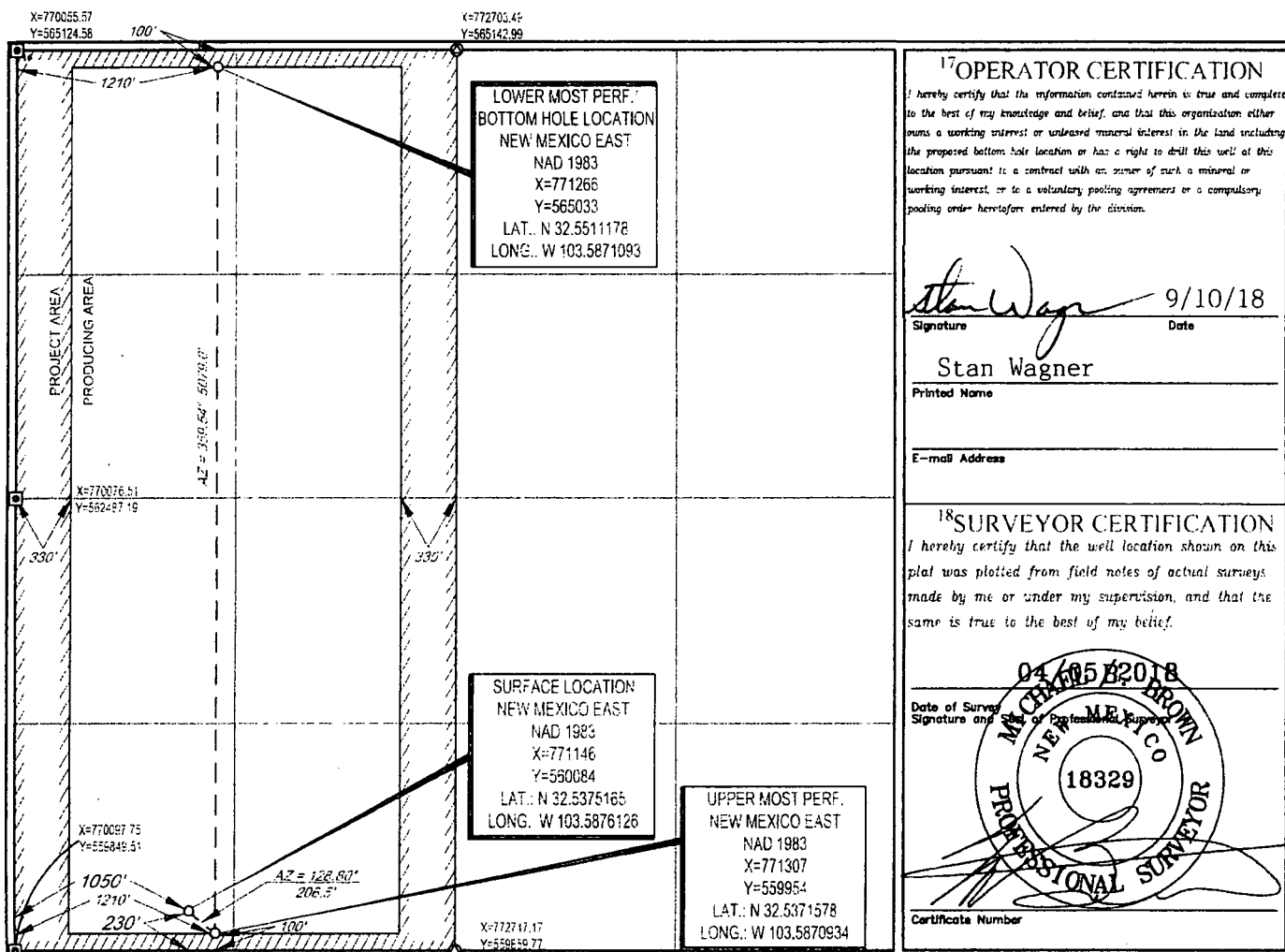
¹⁰Surface Location

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	29	20-S	34-E	-	230'	SOUTH	1050'	WEST	LEA

U/L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	29	20-S	34-E	-	100'	NORTH	1210'	WEST	LEA

¹² Dedicated Acres 320.00	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.



Intent ☒ As Drilled ☐

API #
30-025-44476

Operator Name: EOG Resources, Inc.	Property Name: Della 29 Fed	Well Number 605H
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Kick Off Point (KOP)

UL M	Section 29	Township 20S	Range 34E	Lot	Feet	From N/S	Feet	From E/W	County Lea
Latitude					Longitude			NAD	

First Take Point (FTP)

UL M	Section 29	Township 20S	Range 34E	Lot	Feet 100	From N/S South	Feet 1210	From E/W West	County Lea
Latitude N 32.5371578					Longitude W -103.5870934			NAD 83	

Last Take Point (LTP)

UL D	Section 29	Township 20S	Range 34E	Lot	Feet 100	From N/S North	Feet 1210	From E/W West	County Lea
Latitude N 32.5511178					Longitude W -103.5871093			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐ Yes

Is this well an infill well? ☐ No

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:	Property Name:	Well Number
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KZ 06/29/2018

Revised Permit Information 9/10/18:

Well Name: Della 29 Fed #605H

Location:

SL: 230' FSL & 1,050' FEL, Section 29, T-20-S, R-34-E, Lea Co., N.M.

BHL: 100' FNL & 1,210' FEL, Section 29, T-20-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 – 1,655'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0 – 4,000'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
12.25"	4,000' – 5,400'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0' – 10,900'	7.625"	29.7#	HCP-110	FlushMax III	1.125	1.25	1.60
6.75"	0' – 16,177'	5.5"	20#	P-110EC	VAM SFC	1.125	1.25	1.60

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Fr ³ /ft	Mix Water Gal/sk	Slurry Description
13-3/8" 1,655'	1075	13.5	1.74	9.17	Class C + 4% Gel + 2% CaCl ₂ + 0.25 pps Celloflake (TOC @ Surface)
	385	14.8	1.34	6.35	Class C + 2.0% CaCl ₂
9-5/8" 5,400' DV Tool w/ ECP @ 3,700'	235	12.7	1.90	9.96	Stage 1 Lead: 35:65 Poz: Class C + 3.0% Salt + 6.0% Gel + 0.4% CPT-20 + 0.5% CPT-45 (TOC @ 3,700')
	200	14.8	1.33	6.32	Stage 1 Tail: Class C + 0.2% CPT-19
	785	12.7	1.90	9.96	Stage 2 Lead: 35:65 Poz: Class C + 3.0% Salt + 6.0% Gel + 0.5% CPT-45 + 0.2% CPT-20 (TOC @ Surface)
	100	14.8	1.33	6.32	Stage 2 Tail: Class C + 0.2% CPT-19
7-5/8" 10,900'	425	11.5	2.64	14.69	50:50 Poz: H + 5.0% Salt + 7.0% Gel + 0.4% CPT-503P + 0.5% CPT-19 (TOC @ Surface)
	140	14.4	1.24	5.08	50:50 Poz: H + 5.0% Salt
5-1/2" 16,177'	220	11.0	3.21	19.24	50:50 Poz: H + 5.0% Salt + 3.0% CPT-45 + 0.4% CPT-503P + 1.0% CPT-19 + 5.0% Gypsum + 0.15% CPT-20 + 0.15% Citric Acid (TOC @ 10,400')
	550	14.4	1.20	4.81	50:50 Poz: H + 0.25% CPT-503P + 0.8% CPT-16A + 0.2% CPT-35 + 0.4% CPT-39 + 0.25% CPT-20

Mud program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,655'	Fresh - Gel	8.6-8.8	28-34	N/c
1,655' – 5,400'	Fresh-Gel	8.6-8.8	28-34	N/c
5,400' – 10,900'	Oil Base	8.7-9.4	58-68	N/c - 6
10,900' – 16,177' Lateral	Oil Base	10.0-10.5	58-68	N/c - 6

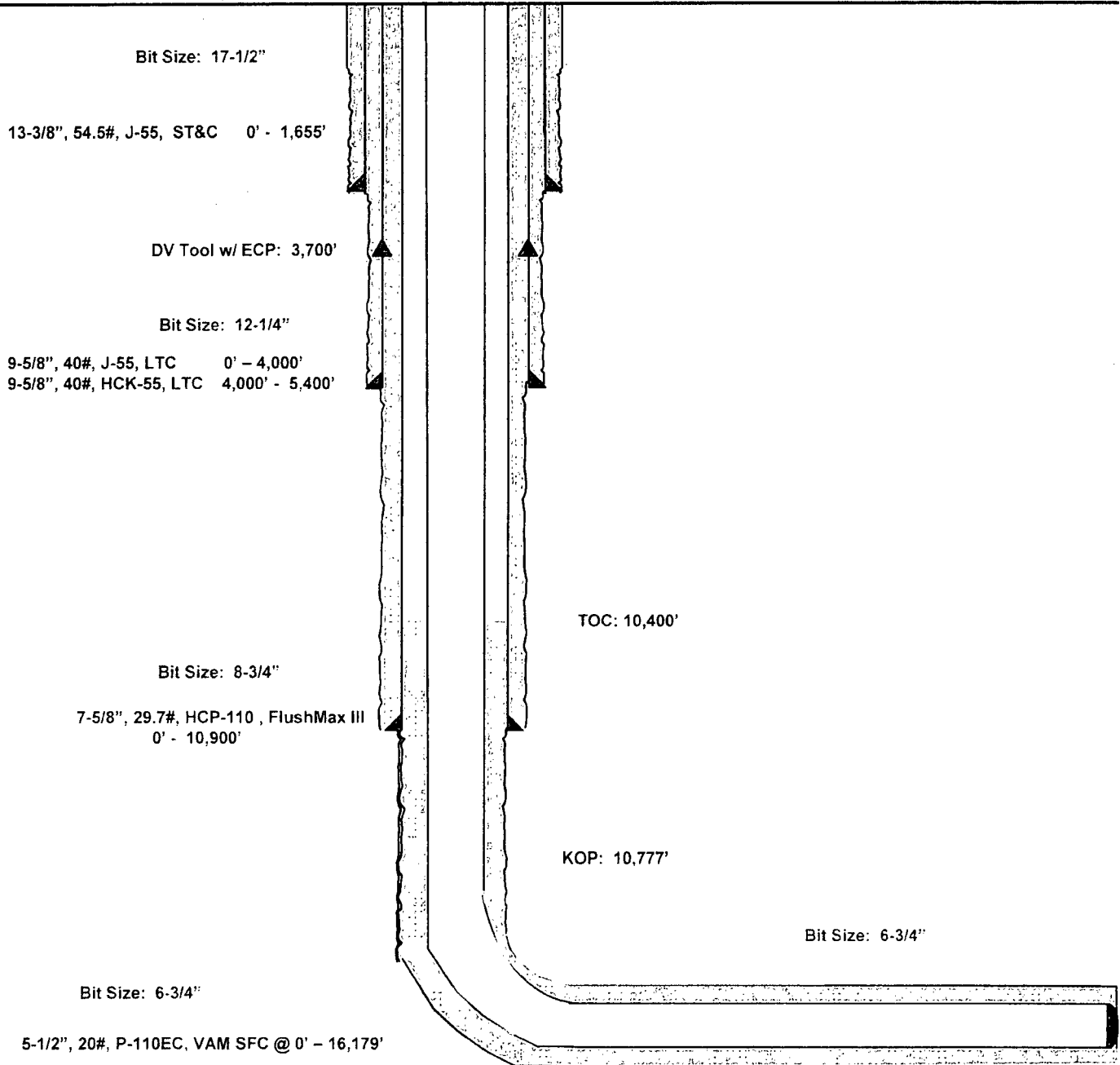
Della 29 Fed #605H

Lea County, New Mexico
Revised Wellbore 9/10/18

230' FSL
1050' FWL
Section 29
T-20-S, R-34-E

API: 30-025-44476

KB: 3,734'
GL: 3,709'



Lateral: 16,179' MD, 11,250' TVD
Upper Most Perf:
100' FSL & 1210' FWL Sec. 29
Lower Most Perf:
100' FNL & 1210' FEL Sec. 29
BH Location: 100' FNL & 1210' FEL
Section 29
T-20-S, R-34-E



Lea County, NM (NAD 83 NME)

Della 29 Fed Com

#605H

Plan #0.2

PROJECT DETAILS: Lea 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



Azimuths to Grid North:
True North: 0.00°
Magnetic North: 0.57°
Magnetic Field
Strength: 48112.0 Gauss
Dip Angle: 60.36°
Date: 7/18/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 0.57°
To convert a Magnetic Direction to a True Direction, Add 0.97° East
To convert a True Direction to a Grid Direction, Subtract 0.40°

WELL DETAILS #605H

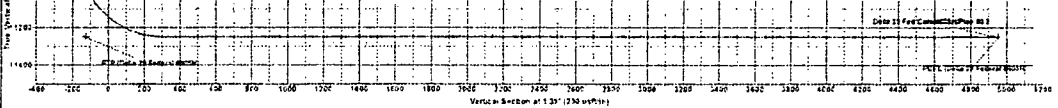
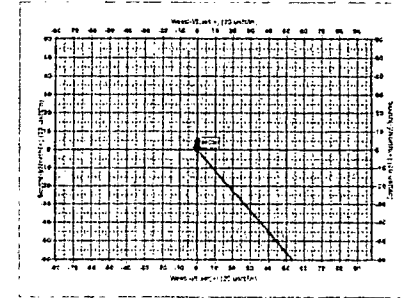
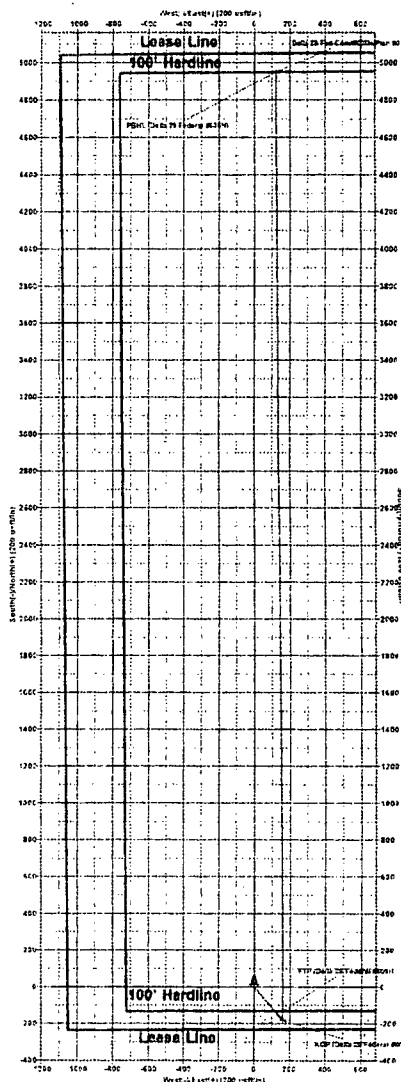
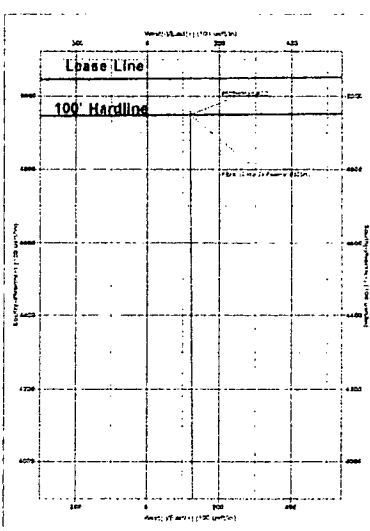
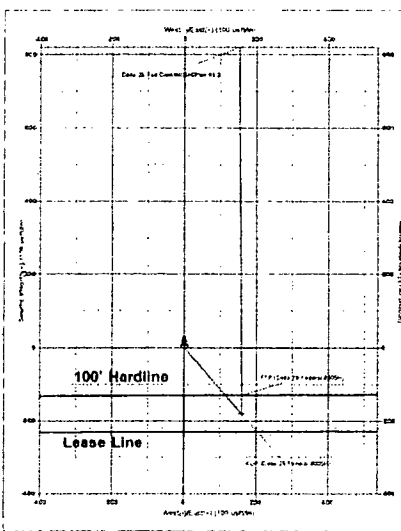
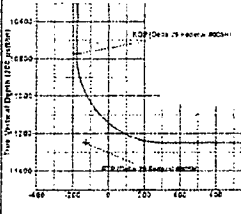
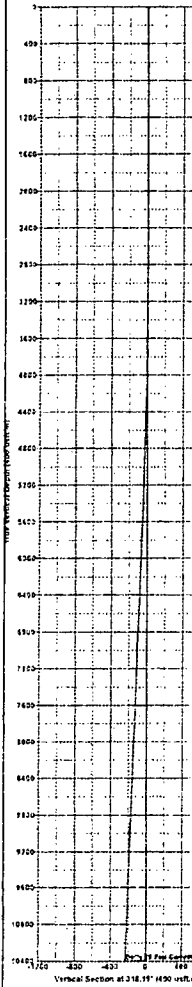
Well ID	Well Name	Well Type	Well Status	Well Depth	Well Diameter	Well Length	Well Size
W-01	W-01	W-01	W-01	W-01	W-01	W-01	W-01

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4000.0	0.00	0.03	4000.0	0.0	0.0	0.00	0.00	0.0	
3	4103.7	2.07	138.19	4103.7	-1.4	1.3	2.00	138.19	-1.4	
4	10673.2	2.07	138.19	10668.8	-178.6	159.7	0.00	0.00	-174.7	
5	10776.8	0.00	0.00	10772.5	-180.0	161.0	2.00	180.00	-176.0	KOP (Della 29 Federal #605H)
6	11526.8	90.00	359.54	11250.0	297.4	157.2	12.00	359.54	301.2	
7	16178.5	90.00	359.54	11250.0	4949.0	120.0	0.00	0.00	4950.5	PBHL (Della 29 Federal #605H)

WELLBORE TARGET DETAILS (MAP COORDINATES)

Name	TVC	+N-S	+E-W	Northing	Easting	Shape
KOP (Della 29 Federal #605H)	10772.5	180.0	161.0	559804.00	771307.00	Point
PTP (Della 29 Federal #605H)	11250.0	-120.0	161.0	559854.00	771307.00	Point
PBHL (Della 29 Federal #605H)	11250.0	4949.0	120.0	565033.00	771266.00	Point





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Della 29 Fed Com

#605H

OH

Plan: Plan #0.2

Standard Planning Report

10 September, 2018

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #605H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3734.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3734.0usft
Site:	Della 29 Fed Com	North Reference:	Grid
Well:	#605H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Project	Lea 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	Della 29 Fed Com		
Site Position:	Northings:	560,090.00 usft	Latitude: 32° 32' 15.008 N
From: Map	Easting:	772,794.00 usft	Longitude: 103° 34' 56.155 W
Position Uncertainty:	0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.40 "

Well	#605H		
Well Position	+N/-S	-6.0 usft	Northings: 560,084.00 usft
	+E/-W	-1,648.0 usft	Easting: 771,146.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level: 3,709.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	7/18/2017	6.97
			Dip Angle
			60.35
			Field Strength
			48,112.03990115

Design	Plan #0.2		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			1.39

Plan Survey Tool Program	Date 9/10/2018		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.0	16,178.5 Plan #0.2 (OH)	MWD
			OWSG MWD - Standard

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Bulld	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,103.7	2.07	138.19	4,103.7	-1.4	1.3	2.00	2.00	0.00	138.19	
10,673.2	2.07	138.19	10,668.8	-178.6	159.7	0.00	0.00	0.00	0.00	
10,776.8	0.00	0.00	10,772.5	-180.0	161.0	2.00	-2.00	0.00	180.00	KOP (Della 29 Feder
11,526.8	90.00	359.54	11,250.0	297.4	157.2	12.00	12.00	-0.06	359.54	
16,178.5	90.00	359.54	11,250.0	4,948.0	120.0	0.00	0.00	0.00	0.00	PBHL (Della 29 Feder



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Della 29-Fed Com
 Well: #605H
 Wellbore: OH
 Design: Plan #0.2

Local Co-ordinate Reference: Well #605H
 TVD Reference: KB = 25 @ 3734.0usft
 MD Reference: KB = 25 @ 3734.0usft
 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)
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
4,103.7	2.07	138.19	4,103.7	-1.4	1.3	-1.4	2.00	2.00	0.00
4,200.0	2.07	138.19	4,199.9	-4.0	3.6	-3.9	0.00	0.00	0.00
4,300.0	2.07	138.19	4,299.8	-6.7	6.0	-6.5	0.00	0.00	0.00
4,400.0	2.07	138.19	4,399.9	-9.4	9.4	-9.2	0.00	0.00	0.00
4,500.0	2.07	138.19	4,499.7	-12.1	10.8	-11.8	0.00	0.00	0.00
4,600.0	2.07	138.19	4,599.7	-14.8	13.2	-14.5	0.00	0.00	0.00
4,700.0	2.07	138.19	4,699.6	-17.5	15.6	-17.1	0.00	0.00	0.00
4,800.0	2.07	138.19	4,799.5	-20.2	18.1	-19.7	0.00	0.00	0.00
4,900.0	2.07	138.19	4,899.5	-22.9	20.5	-22.4	0.00	0.00	0.00
5,000.0	2.07	138.19	4,999.4	-25.6	22.9	-25.0	0.00	0.00	0.00
5,100.0	2.07	138.19	5,099.3	-28.3	25.3	-27.7	0.00	0.00	0.00
5,200.0	2.07	138.19	5,199.3	-31.0	27.7	-30.3	0.00	0.00	0.00
5,300.0	2.07	138.19	5,299.2	-33.7	30.1	-32.9	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Delta 29 Fed Com
 Well: #605H
 Wellbore: OH
 Design: Plan #0.2

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:

Well #605H
 KB = 25 @ 3734.0usft
 KB = 25 @ 3734.0usft
 Grid
 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)
5,400.0	2.07	138.15	5,399.1	-36.4	32.5	-35.6	0.00	0.00	0.00
5,500.0	2.07	138.19	5,499.1	-39.1	34.9	-38.2	0.00	0.00	0.00
5,600.0	2.07	138.19	5,599.0	-41.8	37.4	-40.8	0.00	0.00	0.00
5,700.0	2.07	138.19	5,698.9	-44.5	39.8	-43.5	0.00	0.00	0.00
5,800.0	2.07	138.19	5,798.9	-47.2	42.2	-46.1	0.00	0.00	0.00
5,900.0	2.07	138.19	5,898.8	-49.9	44.6	-48.8	0.00	0.00	0.00
6,000.0	2.07	138.19	5,998.7	-52.5	47.0	-51.4	0.00	0.00	0.00
6,100.0	2.07	138.19	6,098.7	-55.2	49.4	-54.0	0.00	0.00	0.00
6,200.0	2.07	138.15	6,198.6	-57.9	51.8	-56.7	0.00	0.00	0.00
6,300.0	2.07	138.19	6,298.5	-60.6	54.2	-59.3	0.00	0.00	0.00
6,400.0	2.07	138.15	6,398.5	-63.3	56.7	-61.9	0.00	0.00	0.00
6,500.0	2.07	138.19	6,498.4	-66.0	59.1	-64.6	0.00	0.00	0.00
6,600.0	2.07	138.19	6,598.3	-68.7	61.5	-67.2	0.00	0.00	0.00
6,700.0	2.07	138.19	6,698.3	-71.4	63.9	-69.9	0.00	0.00	0.00
6,800.0	2.07	138.19	6,798.2	-74.1	66.3	-72.5	0.00	0.00	0.00
6,900.0	2.07	138.19	6,898.1	-76.8	68.7	-75.1	0.00	0.00	0.00
7,000.0	2.07	138.19	6,998.1	-79.5	71.1	-77.8	0.00	0.00	0.00
7,100.0	2.07	138.19	7,098.0	-82.2	73.5	-80.4	0.00	0.00	0.00
7,200.0	2.07	138.19	7,197.9	-84.9	76.0	-83.1	0.00	0.00	0.00
7,300.0	2.07	138.19	7,297.9	-87.6	78.4	-85.7	0.00	0.00	0.00
7,400.0	2.07	138.19	7,397.8	-90.3	80.8	-88.3	0.00	0.00	0.00
7,500.0	2.07	138.19	7,497.8	-93.0	83.2	-91.0	0.00	0.00	0.00
7,600.0	2.07	138.19	7,597.7	-95.7	85.6	-93.6	0.00	0.00	0.00
7,700.0	2.07	138.19	7,697.6	-98.4	88.0	-96.2	0.00	0.00	0.00
7,800.0	2.07	138.19	7,797.6	-101.1	90.4	-98.9	0.00	0.00	0.00
7,900.0	2.07	138.19	7,897.5	-103.8	92.8	-101.5	0.00	0.00	0.00
8,000.0	2.07	138.19	7,997.4	-106.5	95.3	-104.2	0.00	0.00	0.00
8,100.0	2.07	138.19	8,097.4	-109.2	97.7	-106.8	0.00	0.00	0.00
8,200.0	2.07	138.19	8,197.3	-111.9	100.1	-109.4	0.00	0.00	0.00
8,300.0	2.07	138.19	8,297.2	-114.6	102.5	-112.1	0.00	0.00	0.00
8,400.0	2.07	138.19	8,397.2	-117.3	104.9	-114.7	0.00	0.00	0.00
8,500.0	2.07	138.19	8,497.1	-120.0	107.3	-117.3	0.00	0.00	0.00
8,600.0	2.07	138.19	8,597.0	-122.7	109.7	-120.0	0.00	0.00	0.00
8,700.0	2.07	138.19	8,697.0	-125.4	112.1	-122.6	0.00	0.00	0.00
8,800.0	2.07	138.19	8,796.9	-128.1	114.6	-125.3	0.00	0.00	0.00
8,900.0	2.07	138.19	8,896.8	-130.8	117.0	-127.9	0.00	0.00	0.00
9,000.0	2.07	138.19	8,996.8	-133.5	119.4	-130.5	0.00	0.00	0.00
9,100.0	2.07	138.19	9,096.7	-136.2	121.8	-133.2	0.00	0.00	0.00
9,200.0	2.07	138.19	9,196.6	-138.9	124.2	-135.8	0.00	0.00	0.00
9,300.0	2.07	138.19	9,296.6	-141.6	126.6	-138.5	0.00	0.00	0.00
9,400.0	2.07	138.19	9,396.5	-144.3	129.0	-141.1	0.00	0.00	0.00
9,500.0	2.07	138.19	9,496.4	-147.0	131.4	-143.7	0.00	0.00	0.00
9,600.0	2.07	138.19	9,596.4	-149.7	133.9	-146.4	0.00	0.00	0.00
9,700.0	2.07	138.19	9,696.3	-152.4	136.3	-149.0	0.00	0.00	0.00
9,800.0	2.07	138.19	9,796.2	-155.0	138.7	-151.6	0.00	0.00	0.00
9,900.0	2.07	138.19	9,896.2	-157.7	141.1	-154.3	0.00	0.00	0.00
10,000.0	2.07	138.19	9,996.1	-160.4	143.5	-156.9	0.00	0.00	0.00
10,100.0	2.07	138.19	10,096.0	-163.1	145.9	-159.6	0.00	0.00	0.00
10,200.0	2.07	138.19	10,196.0	-165.8	148.3	-162.2	0.00	0.00	0.00
10,300.0	2.07	138.19	10,295.9	-168.5	150.7	-164.8	0.00	0.00	0.00
10,400.0	2.07	138.19	10,395.9	-171.2	153.2	-167.5	0.00	0.00	0.00
10,500.0	2.07	138.19	10,495.8	-173.9	155.6	-170.1	0.00	0.00	0.00
10,600.0	2.07	138.19	10,595.7	-176.6	158.0	-172.7	0.00	0.00	0.00
10,673.2	2.07	138.19	10,668.6	-178.6	159.7	-174.7	0.00	0.00	0.00

Database: EDM 5000.14
 Company: EOG Resources - Midland
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 Site: Della 29 Fed Com
 Well: #605H
 Wellbore: OH
 Design: Plan #0.2

Local Co-ordinate Reference: Well #605H
 TVD Reference: KB = 25 @ 3734.0usft
 MD Reference: KB = 25 @ 3734.0usft
 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)
10,700.0	1.54	138.19	10,695.7	-179.2	160.3	-175.3	2.00	-2.00	0.00
10,776.8	0.00	0.00	10,772.5	-180.0	161.0	-176.0	2.00	-2.00	0.00
KOP (Della 29 Federal #605H)									
10,800.0	2.78	359.54	10,795.6	-179.4	161.0	-175.5	12.00	12.00	0.00
10,825.0	5.78	359.54	10,820.6	-177.6	161.0	-173.6	12.00	12.00	0.00
10,850.0	8.78	359.54	10,845.4	-174.4	161.0	-170.5	12.00	12.00	0.00
10,875.0	11.78	359.54	10,870.0	-169.9	160.9	-166.0	12.00	12.00	0.00
10,900.0	14.78	359.54	10,894.3	-164.2	160.9	-160.3	12.00	12.00	0.00
10,925.0	17.78	359.54	10,918.3	-157.2	160.8	-153.3	12.00	12.00	0.00
10,950.0	20.78	359.54	10,941.9	-148.9	160.8	-145.0	12.00	12.00	0.00
10,975.0	23.78	359.54	10,965.0	-139.5	160.7	-135.5	12.00	12.00	0.00
11,000.0	26.78	359.54	10,987.6	-128.8	160.6	-124.9	12.00	12.00	0.00
11,025.0	29.78	359.54	11,009.6	-117.0	160.5	-113.0	12.00	12.00	0.00
11,050.0	32.78	359.54	11,031.0	-104.0	160.4	-100.1	12.00	12.00	0.00
11,075.0	35.78	359.54	11,051.6	-89.9	160.3	-86.0	12.00	12.00	0.00
11,100.0	38.78	359.54	11,071.5	-74.8	160.2	-70.9	12.00	12.00	0.00
11,125.0	41.78	359.54	11,090.6	-58.6	160.0	-54.7	12.00	12.00	0.00
11,150.0	44.78	359.54	11,108.8	-41.5	159.9	-37.6	12.00	12.00	0.00
11,175.0	47.78	359.54	11,126.1	-23.4	159.7	-19.5	11.98	11.98	0.00
FTP (Della 29 Federal #605H)									
11,200.0	50.78	359.54	11,142.4	-4.5	159.6	-0.6	12.02	12.02	0.00
11,225.0	53.78	359.54	11,157.7	15.3	159.4	19.2	12.00	12.00	0.00
11,250.0	56.78	359.54	11,171.9	35.9	159.3	39.7	12.00	12.00	0.00
11,275.0	59.78	359.54	11,185.1	57.1	159.1	61.0	12.00	12.00	0.00
11,300.0	62.78	359.54	11,197.1	79.0	158.9	82.9	12.00	12.00	0.00
11,325.0	65.78	359.54	11,207.9	101.6	158.7	105.4	12.00	12.00	0.00
11,350.0	68.78	359.54	11,217.6	124.6	158.6	128.4	12.00	12.00	0.00
11,375.0	71.78	359.54	11,226.0	148.2	158.4	151.9	12.00	12.00	0.00
11,400.0	74.78	359.54	11,233.2	172.1	158.2	175.9	12.00	12.00	0.00
11,425.0	77.78	359.54	11,239.1	196.4	158.0	200.1	12.00	12.00	0.00
11,450.0	80.78	359.54	11,243.8	220.9	157.8	224.7	12.00	12.00	0.00
11,475.0	83.78	359.54	11,247.2	245.7	157.6	249.5	12.00	12.00	0.00
11,500.0	86.78	359.54	11,249.2	270.6	157.4	274.4	12.00	12.00	0.00
11,525.0	90.00	359.54	11,250.0	297.4	157.2	301.2	12.00	12.00	0.00
11,600.0	90.00	359.54	11,250.0	370.6	156.6	374.3	0.00	0.00	0.00
11,700.0	90.00	359.54	11,250.0	470.6	155.8	474.2	0.00	0.00	0.00
11,800.0	90.00	359.54	11,250.0	570.6	155.0	574.2	0.00	0.00	0.00
11,900.0	90.00	359.54	11,250.0	670.6	154.2	674.1	0.00	0.00	0.00
12,000.0	90.00	359.54	11,250.0	770.6	153.4	774.1	0.00	0.00	0.00
12,100.0	90.00	359.54	11,250.0	870.6	152.6	874.0	0.00	0.00	0.00
12,200.0	90.00	359.54	11,250.0	970.6	151.8	974.0	0.00	0.00	0.00
12,300.0	90.00	359.54	11,250.0	1,070.6	151.0	1,073.9	0.00	0.00	0.00
12,400.0	90.00	359.54	11,250.0	1,170.6	150.2	1,173.9	0.00	0.00	0.00
12,500.0	90.00	359.54	11,250.0	1,270.6	149.4	1,273.8	0.00	0.00	0.00
12,600.0	90.00	359.54	11,250.0	1,370.6	148.6	1,373.8	0.00	0.00	0.00
12,700.0	90.00	359.54	11,250.0	1,470.6	147.8	1,473.7	0.00	0.00	0.00
12,800.0	90.00	359.54	11,250.0	1,570.6	147.0	1,573.7	0.00	0.00	0.00
12,900.0	90.00	359.54	11,250.0	1,670.6	146.2	1,673.6	0.00	0.00	0.00
13,000.0	90.00	359.54	11,250.0	1,770.6	145.4	1,773.6	0.00	0.00	0.00
13,100.0	90.00	359.54	11,250.0	1,870.6	144.6	1,873.5	0.00	0.00	0.00
13,200.0	90.00	359.54	11,250.0	1,970.5	143.8	1,973.5	0.00	0.00	0.00
13,300.0	90.00	359.54	11,250.0	2,070.5	143.0	2,073.4	0.00	0.00	0.00
13,400.0	90.00	359.54	11,250.0	2,170.5	142.2	2,173.4	0.00	0.00	0.00
13,500.0	90.00	359.54	11,250.0	2,270.5	141.4	2,273.3	0.00	0.00	0.00

Database: EDM 5000.14
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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	90.00	359.54	11,250.0	2,370.5	140.6	2,373.2	0.00	0.00	0.00
13,700.0	90.00	359.54	11,250.0	2,470.5	139.8	2,473.2	0.00	0.00	0.00
13,800.0	90.00	359.54	11,250.0	2,570.5	139.0	2,573.1	0.00	0.00	0.00
13,900.0	90.00	359.54	11,250.0	2,670.5	138.2	2,673.1	0.00	0.00	0.00
14,000.0	90.00	359.54	11,250.0	2,770.5	137.4	2,773.0	0.00	0.00	0.00
14,100.0	90.00	359.54	11,250.0	2,870.5	136.6	2,873.0	0.00	0.00	0.00
14,200.0	90.00	359.54	11,250.0	2,970.5	135.8	2,972.9	0.00	0.00	0.00
14,300.0	90.00	359.54	11,250.0	3,070.5	135.0	3,072.9	0.00	0.00	0.00
14,400.0	90.00	359.54	11,250.0	3,170.5	134.2	3,172.8	0.00	0.00	0.00
14,500.0	90.00	359.54	11,250.0	3,270.5	133.4	3,272.8	0.00	0.00	0.00
14,600.0	90.00	359.54	11,250.0	3,370.5	132.6	3,372.7	0.00	0.00	0.00
14,700.0	90.00	359.54	11,250.0	3,470.5	131.8	3,472.7	0.00	0.00	0.00
14,800.0	90.00	359.54	11,250.0	3,570.5	131.0	3,572.6	0.00	0.00	0.00
14,900.0	90.00	359.54	11,250.0	3,670.5	130.2	3,672.6	0.00	0.00	0.00
15,000.0	90.00	359.54	11,250.0	3,770.5	129.4	3,772.5	0.00	0.00	0.00
15,100.0	90.00	359.54	11,250.0	3,870.5	128.6	3,872.5	0.00	0.00	0.00
15,200.0	90.00	359.54	11,250.0	3,970.5	127.8	3,972.4	0.00	0.00	0.00
15,300.0	90.00	359.54	11,250.0	4,070.5	127.0	4,072.4	0.00	0.00	0.00
15,400.0	90.00	359.54	11,250.0	4,170.5	126.2	4,172.3	0.00	0.00	0.00
15,500.0	90.00	359.54	11,250.0	4,270.5	125.4	4,272.3	0.00	0.00	0.00
15,600.0	90.00	359.54	11,250.0	4,370.5	124.6	4,372.2	0.00	0.00	0.00
15,700.0	90.00	359.54	11,250.0	4,470.5	123.8	4,472.2	0.00	0.00	0.00
15,800.0	90.00	359.54	11,250.0	4,570.5	123.0	4,572.1	0.00	0.00	0.00
15,900.0	90.00	359.54	11,250.0	4,670.5	122.2	4,672.1	0.00	0.00	0.00
16,000.0	90.00	359.54	11,250.0	4,770.5	121.4	4,772.0	0.00	0.00	0.00
16,100.0	90.00	359.54	11,250.0	4,870.5	120.6	4,871.9	0.00	0.00	0.00
16,178.5	90.00	359.54	11,250.0	4,949.0	120.0	4,950.5	0.00	0.00	0.00

PBHL (Della 29 Federal #605H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP (Della 29 Federal # - hit/miss target - Shape - Point	0.00	0.00	10,772.5	-180.0	161.0	559,904.00	771,307.00	32° 32' 13.271 N	103° 35' 13.540 W
PBHL (Della 29 Federal - plan hits target center - Point	0.00	0.00	11,250.0	4,949.0	120.0	565,033.00	771,266.00	32° 33' 4.024 N	103° 35' 13.599 W
FTP (Della 29 Federal # - plan misses target center by 163.5usft at 11175.0usft MD (11126.1 TVD, -23.4 N, 159.7 E) - Point	0.00	0.00	11,250.0	-130.0	161.0	559,954.00	771,307.00	32° 32' 13.766 N	103° 35' 13.536 W