



HOBBS OCD

OCT 03 2017

RECEIVED

Lea County, NM (NAD 83 NME)

Dogwood 23 Fed Com #707H

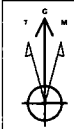
Plan #0.1

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

WELL DETAILS: #707H

Ground Level: 3304.00
KB = 25' @ 3329.00usft
Northing: 372719.00 Easting: 785951.00 Longitude: 103.54404768



Azimuths to Grid North
True North: -0.42°
Magnetic North: 6.54°

Magnetic Field
Strength: 47955.0nT
Dip Angle: 59.89°
Date: 2/17/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.54°
To convert a Magnetic Direction to a True Direction, Add 6.96° East
To convert a True Direction to a Grid Direction, Subtract 0.42°

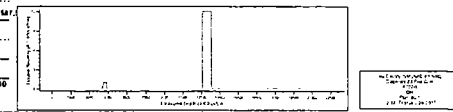
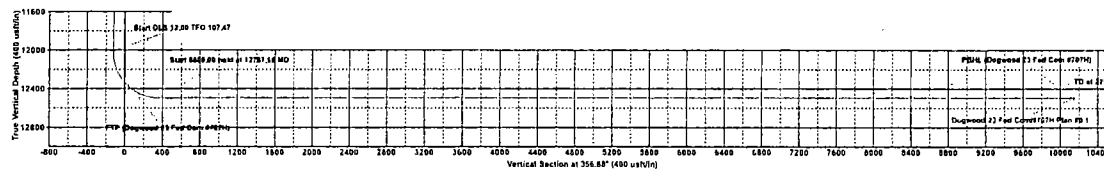
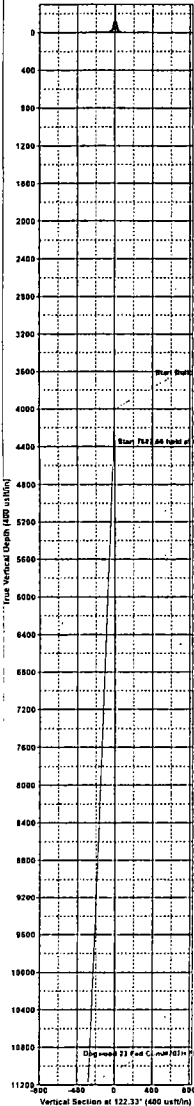
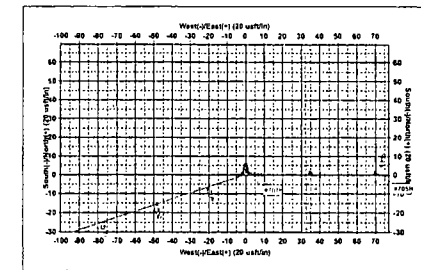
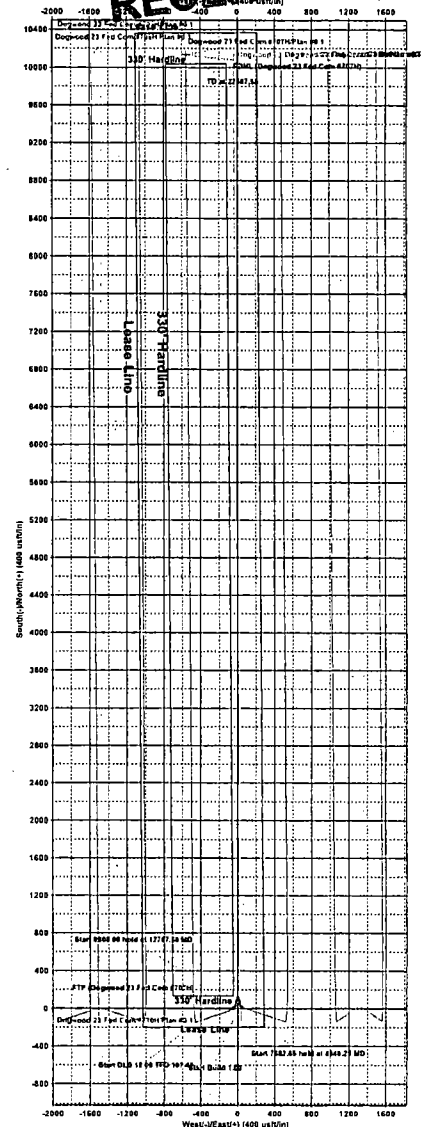
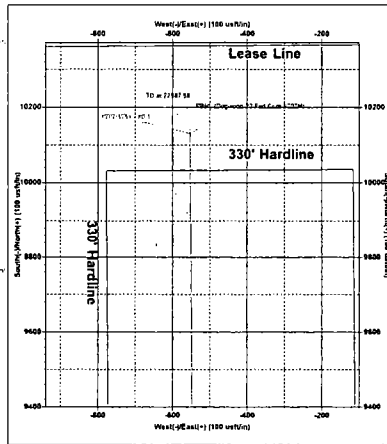
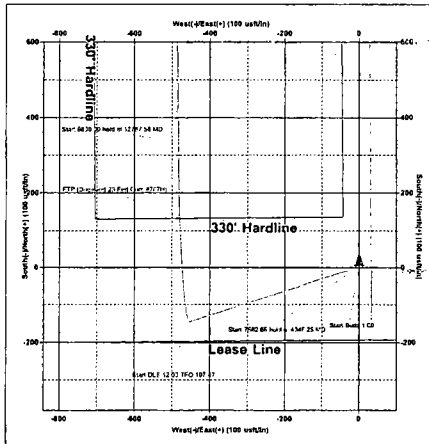
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	
3	4346.25	3.46	252.09	4346.04	-3.22	-9.95	1.00	252.09	-2.67	
4	12028.90	3.46	252.09	12014.67	-145.92	-451.45	0.00	0.00	-121.10	
5	12787.58	90.00	359.59	12500.00	331.25	-482.87	12.00	107.47	357.08	
6	22587.58	90.00	359.59	12500.00	10131.00	-553.00	0.00	0.00	10146.08	PBHL (Dogwood 23 Fed Com #707H)

CASING DETAILS
No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (Dogwood 23 Fed Com #707H)	12500.00	133.00	-480.00	372852.00	785471.00
PBHL (Dogwood 23 Fed Com #707H)	12500.00	10131.00	-553.00	382850.00	785396.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Dogwood 23 Fed Com

#707H

OH

Plan: Plan #0.1

Standard Planning Report

28 February, 2017



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Dogwood 23 Fed Corn
 Well: #707H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #707H
 TVD Reference: KB = 25' @ 3329.00usft
 MD Reference: KB = 25' @ 3329.00usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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: Dogwood 23 Fed Corn

Site Position: Northing: 372,741.00 usft Latitude: 32.02224139
From: Map Easting: 788,311.00 usft Longitude: -103.53643286
Position Uncertainty: 0.00 usft Slot Radius: 13-3/16 " Grid Convergence: 0.42 °

Well: #707H

Well Position: +N/-S -22.00 usft Northing: 372,719.00 usft Latitude: 32.02222853
 +E/-W -2,360.00 usft Easting: 785,951.00 usft Longitude: -103.54404768
Position Uncertainty: 0.00 usft Wellhead Elevation: 0.00 usft Ground Level: 3,304.00 usft

Wellbore: OH

Magnetics:

Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
IGRF2015	2/17/2017	6.96	59.89	47,856

Design: Plan #0.1

Audit Notes:

Version: Phase: PLAN Tie On Depth: 0.00

Vertical Section:

Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
0.00	0.00	0.00	356.88

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,346.25	3.46	252.09	4,346.04	-3.22	-9.95	1.00	1.00	0.00	252.09	
12,028.91	3.46	252.09	12,014.67	-145.92	-451.45	0.00	0.00	0.00	0.00	
12,787.58	90.00	359.59	12,500.00	331.25	-482.87	12.00	11.41	14.17	107.47	
22,587.58	90.00	359.59	12,500.00	10,131.00	-553.00	0.00	0.00	0.00	0.00	PBHL (Dogwood 23 F



EOG Resources, Inc.

Planning Report

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 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Dogwood 23 Fed Com
 Well: #707H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #707H
 TVD Reference: KB = 25' @ 3329.00usft
 MD Reference: KB = 25' @ 3329.00usft
 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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	1.00	252.09	4,100.00	-0.27	-0.83	-0.22	1.00	1.00	0.00
4,200.00	2.00	252.09	4,199.96	-1.07	-3.32	-0.89	1.00	1.00	0.00
4,300.00	3.00	252.09	4,299.86	-2.42	-7.47	-2.00	1.00	1.00	0.00
4,346.25	3.46	252.09	4,346.04	-3.22	-9.95	-2.67	1.00	1.00	0.00
4,400.00	3.46	252.09	4,399.69	-4.22	-13.04	-3.50	0.00	0.00	0.00
4,500.00	3.46	252.09	4,499.51	-6.07	-18.79	-5.04	0.00	0.00	0.00
4,600.00	3.46	252.09	4,599.33	-7.93	-24.53	-6.58	0.00	0.00	0.00
4,700.00	3.46	252.09	4,699.14	-9.79	-30.28	-8.12	0.00	0.00	0.00
4,800.00	3.46	252.09	4,798.96	-11.65	-36.03	-9.66	0.00	0.00	0.00
4,900.00	3.46	252.09	4,898.78	-13.50	-41.77	-11.21	0.00	0.00	0.00
5,000.00	3.46	252.09	4,998.60	-15.36	-47.52	-12.75	0.00	0.00	0.00
5,100.00	3.46	252.09	5,098.41	-17.22	-53.27	-14.29	0.00	0.00	0.00
5,200.00	3.46	252.09	5,198.23	-19.08	-59.01	-15.83	0.00	0.00	0.00



EOG Resources, Inc.
Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Dogwood 23 Fed Com
Well: #707H
Wellbore: OH
Design: Plan #0.1

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MD Reference: KB = 25' @ 3329.00usft
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)
5,300.00	3.46	252.09	5,298.05	-20.93	-64.76	-17.37	0.00	0.00	0.00
5,400.00	3.46	252.09	5,397.87	-22.79	-70.51	-18.91	0.00	0.00	0.00
5,500.00	3.46	252.09	5,497.68	-24.65	-76.25	-20.45	0.00	0.00	0.00
5,600.00	3.46	252.09	5,597.50	-26.51	-82.00	-22.00	0.00	0.00	0.00
5,700.00	3.46	252.09	5,697.32	-28.36	-87.75	-23.54	0.00	0.00	0.00
5,800.00	3.46	252.09	5,797.14	-30.22	-93.50	-25.08	0.00	0.00	0.00
5,900.00	3.46	252.09	5,896.95	-32.08	-99.24	-26.62	0.00	0.00	0.00
6,000.00	3.46	252.09	5,996.77	-33.94	-104.99	-28.16	0.00	0.00	0.00
6,100.00	3.46	252.09	6,096.59	-35.79	-110.74	-29.70	0.00	0.00	0.00
6,200.00	3.46	252.09	6,196.41	-37.65	-116.48	-31.25	0.00	0.00	0.00
6,300.00	3.46	252.09	6,296.22	-39.51	-122.23	-32.79	0.00	0.00	0.00
6,400.00	3.46	252.09	6,396.04	-41.37	-127.98	-34.33	0.00	0.00	0.00
6,500.00	3.46	252.09	6,495.86	-43.22	-133.72	-35.87	0.00	0.00	0.00
6,600.00	3.46	252.09	6,595.68	-45.08	-139.47	-37.41	0.00	0.00	0.00
6,700.00	3.46	252.09	6,695.49	-46.94	-145.22	-38.95	0.00	0.00	0.00
6,800.00	3.46	252.09	6,795.31	-48.80	-150.96	-40.49	0.00	0.00	0.00
6,900.00	3.46	252.09	6,895.13	-50.65	-156.71	-42.04	0.00	0.00	0.00
7,000.00	3.46	252.09	6,994.95	-52.51	-162.46	-43.58	0.00	0.00	0.00
7,100.00	3.46	252.09	7,094.76	-54.37	-168.20	-45.12	0.00	0.00	0.00
7,200.00	3.46	252.09	7,194.58	-56.23	-173.95	-46.66	0.00	0.00	0.00
7,300.00	3.46	252.09	7,294.40	-58.08	-179.70	-48.20	0.00	0.00	0.00
7,400.00	3.46	252.09	7,394.22	-59.94	-185.44	-49.74	0.00	0.00	0.00
7,500.00	3.46	252.09	7,494.03	-61.80	-191.19	-51.29	0.00	0.00	0.00
7,600.00	3.46	252.09	7,593.85	-63.66	-196.94	-52.83	0.00	0.00	0.00
7,700.00	3.46	252.09	7,693.67	-65.51	-202.68	-54.37	0.00	0.00	0.00
7,800.00	3.46	252.09	7,793.48	-67.37	-208.43	-55.91	0.00	0.00	0.00
7,900.00	3.46	252.09	7,893.30	-69.23	-214.18	-57.45	0.00	0.00	0.00
8,000.00	3.46	252.09	7,993.12	-71.09	-219.92	-58.99	0.00	0.00	0.00
8,100.00	3.46	252.09	8,092.94	-72.94	-225.67	-60.53	0.00	0.00	0.00
8,200.00	3.46	252.09	8,192.75	-74.80	-231.42	-62.08	0.00	0.00	0.00
8,300.00	3.46	252.09	8,292.57	-76.66	-237.16	-63.62	0.00	0.00	0.00
8,400.00	3.46	252.09	8,392.39	-78.52	-242.91	-65.16	0.00	0.00	0.00
8,500.00	3.46	252.09	8,492.21	-80.37	-248.66	-66.70	0.00	0.00	0.00
8,600.00	3.46	252.09	8,592.02	-82.23	-254.40	-68.24	0.00	0.00	0.00
8,700.00	3.46	252.09	8,691.84	-84.09	-260.15	-69.78	0.00	0.00	0.00
8,800.00	3.46	252.09	8,791.66	-85.95	-265.90	-71.33	0.00	0.00	0.00
8,900.00	3.46	252.09	8,891.48	-87.80	-271.64	-72.87	0.00	0.00	0.00
9,000.00	3.46	252.09	8,991.29	-89.66	-277.39	-74.41	0.00	0.00	0.00
9,100.00	3.46	252.09	9,091.11	-91.52	-283.14	-75.95	0.00	0.00	0.00
9,200.00	3.46	252.09	9,190.93	-93.38	-288.88	-77.49	0.00	0.00	0.00
9,300.00	3.46	252.09	9,290.75	-95.23	-294.63	-79.03	0.00	0.00	0.00
9,400.00	3.46	252.09	9,390.56	-97.09	-300.38	-80.57	0.00	0.00	0.00
9,500.00	3.46	252.09	9,490.38	-98.95	-306.12	-82.12	0.00	0.00	0.00
9,600.00	3.46	252.09	9,590.20	-100.81	-311.87	-83.66	0.00	0.00	0.00
9,700.00	3.46	252.09	9,690.02	-102.66	-317.62	-85.20	0.00	0.00	0.00
9,800.00	3.46	252.09	9,789.83	-104.52	-323.36	-86.74	0.00	0.00	0.00
9,900.00	3.46	252.09	9,889.65	-106.38	-329.11	-88.28	0.00	0.00	0.00
10,000.00	3.46	252.09	9,989.47	-108.24	-334.86	-89.82	0.00	0.00	0.00
10,100.00	3.46	252.09	10,089.29	-110.09	-340.60	-91.37	0.00	0.00	0.00
10,200.00	3.46	252.09	10,189.10	-111.95	-346.35	-92.91	0.00	0.00	0.00
10,300.00	3.46	252.09	10,288.92	-113.81	-352.10	-94.45	0.00	0.00	0.00
10,400.00	3.46	252.09	10,388.74	-115.67	-357.84	-95.99	0.00	0.00	0.00
10,500.00	3.46	252.09	10,488.56	-117.52	-363.59	-97.53	0.00	0.00	0.00
10,600.00	3.46	252.09	10,588.37	-119.38	-369.34	-99.07	0.00	0.00	0.00



EOG Resources, Inc.

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 Site: Dogwood 23 Fed Com
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 Wellbore: OH
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 TVD Reference: KB = 25' @ 3329.00usft
 MD Reference: KB = 25' @ 3329.00usft
 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)
10,700.00	3.46	252.09	10,688.19	-121.24	-375.08	-100.61	0.00	0.00	0.00
10,800.00	3.46	252.09	10,788.01	-123.10	-380.83	-102.16	0.00	0.00	0.00
10,900.00	3.46	252.09	10,887.83	-124.95	-386.58	-103.70	0.00	0.00	0.00
11,000.00	3.46	252.09	10,987.64	-126.81	-392.32	-105.24	0.00	0.00	0.00
11,100.00	3.46	252.09	11,087.46	-128.67	-398.07	-106.78	0.00	0.00	0.00
11,200.00	3.46	252.09	11,187.28	-130.53	-403.82	-108.32	0.00	0.00	0.00
11,300.00	3.46	252.09	11,287.10	-132.38	-409.56	-109.86	0.00	0.00	0.00
11,400.00	3.46	252.09	11,386.91	-134.24	-415.31	-111.41	0.00	0.00	0.00
11,500.00	3.46	252.09	11,486.73	-136.10	-421.06	-112.95	0.00	0.00	0.00
11,600.00	3.46	252.09	11,586.55	-137.96	-426.80	-114.49	0.00	0.00	0.00
11,700.00	3.46	252.09	11,686.37	-139.81	-432.55	-116.03	0.00	0.00	0.00
11,800.00	3.46	252.09	11,786.18	-141.67	-438.30	-117.57	0.00	0.00	0.00
11,900.00	3.46	252.09	11,886.00	-143.53	-444.04	-119.11	0.00	0.00	0.00
12,000.00	3.46	252.09	11,985.82	-145.39	-449.79	-120.65	0.00	0.00	0.00
12,028.91	3.46	252.09	12,014.67	-145.92	-451.45	-121.10	0.00	0.00	0.00
12,050.00	3.62	293.90	12,035.73	-145.85	-452.67	-120.96	12.00	0.76	198.21
12,075.00	5.57	323.33	12,060.65	-144.55	-454.12	-119.59	12.00	7.80	117.72
12,100.00	8.18	335.93	12,085.47	-141.96	-455.57	-116.91	12.00	10.44	50.40
12,125.00	10.99	342.31	12,110.12	-138.06	-457.02	-112.95	12.00	11.24	25.51
12,150.00	13.88	346.09	12,134.53	-132.88	-458.46	-107.69	12.00	11.56	15.11
12,175.00	16.81	348.58	12,158.64	-126.42	-459.90	-101.17	12.00	11.71	9.96
12,200.00	19.76	350.35	12,182.37	-118.71	-461.32	-93.39	12.00	11.79	7.07
12,225.00	22.72	351.67	12,205.67	-109.77	-462.73	-84.38	12.00	11.85	5.29
12,250.00	25.69	352.70	12,228.47	-99.61	-464.12	-74.17	12.00	11.88	4.13
12,275.00	28.67	353.53	12,250.71	-88.28	-465.49	-62.77	12.00	11.90	3.32
12,300.00	31.65	354.22	12,272.32	-75.79	-466.82	-50.23	12.00	11.92	2.75
12,325.00	34.63	354.80	12,293.25	-62.19	-468.13	-36.58	12.00	11.93	2.32
12,350.00	37.61	355.30	12,313.45	-47.51	-469.40	-21.85	12.00	11.94	1.99
12,375.00	40.60	355.73	12,332.84	-31.79	-470.63	-6.09	12.00	11.95	1.74
12,400.00	43.59	356.11	12,351.39	-15.07	-471.82	10.67	12.00	11.96	1.54
12,425.00	46.58	356.46	12,369.04	2.59	-472.96	28.37	12.00	11.96	1.38
12,450.00	49.57	356.77	12,385.74	21.16	-474.06	46.96	12.00	11.96	1.25
12,475.00	52.56	357.06	12,401.45	40.58	-475.11	66.41	12.00	11.97	1.14
12,500.00	55.56	357.32	12,416.12	60.79	-476.10	86.65	12.00	11.97	1.06
12,525.00	58.55	357.57	12,429.72	81.75	-477.03	107.62	12.00	11.97	0.98
12,550.00	61.54	357.80	12,442.20	103.39	-477.91	129.28	12.00	11.97	0.92
12,575.00	64.54	358.02	12,453.53	125.65	-478.72	151.56	12.00	11.97	0.87
12,600.00	67.53	358.22	12,463.69	148.48	-479.47	174.39	12.00	11.98	0.83
FTP (Dogwood 23 Fed Com #707H)									
12,625.00	70.52	358.42	12,472.63	171.81	-480.15	197.73	12.00	11.98	0.79
12,650.00	73.52	358.61	12,480.35	195.58	-480.77	221.49	12.00	11.98	0.76
12,675.00	76.51	358.80	12,486.81	219.72	-481.31	245.63	12.00	11.98	0.74
12,700.00	79.51	358.98	12,492.00	244.17	-481.79	270.07	12.00	11.98	0.72
12,725.00	82.50	359.15	12,495.91	268.86	-482.19	294.74	12.00	11.98	0.71
12,750.00	85.50	359.33	12,498.52	293.71	-482.52	319.58	12.00	11.98	0.70
12,775.00	88.49	359.50	12,499.83	318.67	-482.77	344.51	12.00	11.98	0.69
12,787.58	90.00	359.59	12,500.00	331.25	-482.87	357.08	12.00	11.98	0.69
12,800.00	90.00	359.59	12,500.00	343.67	-482.96	369.49	0.00	0.00	0.00
12,900.00	90.00	359.59	12,500.00	443.67	-483.68	469.37	0.00	0.00	0.00
13,000.00	90.00	359.59	12,500.00	543.67	-484.39	569.26	0.00	0.00	0.00
13,100.00	90.00	359.59	12,500.00	643.67	-485.11	669.15	0.00	0.00	0.00
13,200.00	90.00	359.59	12,500.00	743.66	-485.82	769.04	0.00	0.00	0.00
13,300.00	90.00	359.59	12,500.00	843.66	-486.54	868.92	0.00	0.00	0.00



EOG Resources, Inc.
Planning Report

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Site: Dogwood 23 Fed Com
Well: #707H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #707H
TVD Reference: KB = 25' @ 3329.00usft
MD Reference: KB = 25' @ 3329.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,400.00	90.00	359.59	12,500.00	943.66	-487.26	968.81	0.00	0.00	0.00
13,500.00	90.00	359.59	12,500.00	1,043.65	-487.97	1,068.70	0.00	0.00	0.00
13,600.00	90.00	359.59	12,500.00	1,143.65	-488.69	1,168.59	0.00	0.00	0.00
13,700.00	90.00	359.59	12,500.00	1,243.65	-489.40	1,268.48	0.00	0.00	0.00
13,800.00	90.00	359.59	12,500.00	1,343.65	-490.12	1,368.36	0.00	0.00	0.00
13,900.00	90.00	359.59	12,500.00	1,443.64	-490.83	1,468.25	0.00	0.00	0.00
14,000.00	90.00	359.59	12,500.00	1,543.64	-491.55	1,568.14	0.00	0.00	0.00
14,100.00	90.00	359.59	12,500.00	1,643.64	-492.26	1,668.03	0.00	0.00	0.00
14,200.00	90.00	359.59	12,500.00	1,743.64	-492.98	1,767.91	0.00	0.00	0.00
14,300.00	90.00	359.59	12,500.00	1,843.63	-493.70	1,867.80	0.00	0.00	0.00
14,400.00	90.00	359.59	12,500.00	1,943.63	-494.41	1,967.69	0.00	0.00	0.00
14,500.00	90.00	359.59	12,500.00	2,043.63	-495.13	2,067.58	0.00	0.00	0.00
14,600.00	90.00	359.59	12,500.00	2,143.63	-495.84	2,167.47	0.00	0.00	0.00
14,700.00	90.00	359.59	12,500.00	2,243.62	-496.56	2,267.35	0.00	0.00	0.00
14,800.00	90.00	359.59	12,500.00	2,343.62	-497.27	2,367.24	0.00	0.00	0.00
14,900.00	90.00	359.59	12,500.00	2,443.62	-497.99	2,467.13	0.00	0.00	0.00
15,000.00	90.00	359.59	12,500.00	2,543.62	-498.70	2,567.02	0.00	0.00	0.00
15,100.00	90.00	359.59	12,500.00	2,643.61	-499.42	2,666.90	0.00	0.00	0.00
15,200.00	90.00	359.59	12,500.00	2,743.61	-500.14	2,766.79	0.00	0.00	0.00
15,300.00	90.00	359.59	12,500.00	2,843.61	-500.85	2,866.68	0.00	0.00	0.00
15,400.00	90.00	359.59	12,500.00	2,943.61	-501.57	2,966.57	0.00	0.00	0.00
15,500.00	90.00	359.59	12,500.00	3,043.60	-502.28	3,066.46	0.00	0.00	0.00
15,600.00	90.00	359.59	12,500.00	3,143.60	-503.00	3,166.34	0.00	0.00	0.00
15,700.00	90.00	359.59	12,500.00	3,243.60	-503.71	3,266.23	0.00	0.00	0.00
15,800.00	90.00	359.59	12,500.00	3,343.60	-504.43	3,366.12	0.00	0.00	0.00
15,900.00	90.00	359.59	12,500.00	3,443.59	-505.15	3,466.01	0.00	0.00	0.00
16,000.00	90.00	359.59	12,500.00	3,543.59	-505.86	3,565.89	0.00	0.00	0.00
16,100.00	90.00	359.59	12,500.00	3,643.59	-506.58	3,665.78	0.00	0.00	0.00
16,200.00	90.00	359.59	12,500.00	3,743.59	-507.29	3,765.67	0.00	0.00	0.00
16,300.00	90.00	359.59	12,500.00	3,843.58	-508.01	3,865.56	0.00	0.00	0.00
16,400.00	90.00	359.59	12,500.00	3,943.58	-508.72	3,965.45	0.00	0.00	0.00
16,500.00	90.00	359.59	12,500.00	4,043.58	-509.44	4,065.33	0.00	0.00	0.00
16,600.00	90.00	359.59	12,500.00	4,143.58	-510.15	4,165.22	0.00	0.00	0.00
16,700.00	90.00	359.59	12,500.00	4,243.57	-510.87	4,265.11	0.00	0.00	0.00
16,800.00	90.00	359.59	12,500.00	4,343.57	-511.59	4,365.00	0.00	0.00	0.00
16,900.00	90.00	359.59	12,500.00	4,443.57	-512.30	4,464.89	0.00	0.00	0.00
17,000.00	90.00	359.59	12,500.00	4,543.57	-513.02	4,564.77	0.00	0.00	0.00
17,100.00	90.00	359.59	12,500.00	4,643.56	-513.73	4,664.66	0.00	0.00	0.00
17,200.00	90.00	359.59	12,500.00	4,743.56	-514.45	4,764.55	0.00	0.00	0.00
17,300.00	90.00	359.59	12,500.00	4,843.56	-515.16	4,864.44	0.00	0.00	0.00
17,400.00	90.00	359.59	12,500.00	4,943.56	-515.88	4,964.32	0.00	0.00	0.00
17,500.00	90.00	359.59	12,500.00	5,043.55	-516.59	5,064.21	0.00	0.00	0.00
17,600.00	90.00	359.59	12,500.00	5,143.55	-517.31	5,164.10	0.00	0.00	0.00
17,700.00	90.00	359.59	12,500.00	5,243.55	-518.03	5,263.99	0.00	0.00	0.00
17,800.00	90.00	359.59	12,500.00	5,343.54	-518.74	5,363.88	0.00	0.00	0.00
17,900.00	90.00	359.59	12,500.00	5,443.54	-519.46	5,463.76	0.00	0.00	0.00
18,000.00	90.00	359.59	12,500.00	5,543.54	-520.17	5,563.65	0.00	0.00	0.00
18,100.00	90.00	359.59	12,500.00	5,643.54	-520.89	5,663.54	0.00	0.00	0.00
18,200.00	90.00	359.59	12,500.00	5,743.53	-521.60	5,763.43	0.00	0.00	0.00
18,300.00	90.00	359.59	12,500.00	5,843.53	-522.32	5,863.31	0.00	0.00	0.00
18,400.00	90.00	359.59	12,500.00	5,943.53	-523.03	5,963.20	0.00	0.00	0.00
18,500.00	90.00	359.59	12,500.00	6,043.53	-523.75	6,063.09	0.00	0.00	0.00
18,600.00	90.00	359.59	12,500.00	6,143.52	-524.47	6,162.98	0.00	0.00	0.00
18,700.00	90.00	359.59	12,500.00	6,243.52	-525.18	6,262.87	0.00	0.00	0.00



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 Well: #707H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #707H
 TVD Reference: KB = 25' @ 3329.00usft
 MD Reference: KB = 25' @ 3329.00usft
 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)
18,800.00	90.00	359.59	12,500.00	6,343.52	-525.90	6,362.75	0.00	0.00	0.00
18,900.00	90.00	359.59	12,500.00	6,443.52	-526.61	6,462.64	0.00	0.00	0.00
19,000.00	90.00	359.59	12,500.00	6,543.51	-527.33	6,562.53	0.00	0.00	0.00
19,100.00	90.00	359.59	12,500.00	6,643.51	-528.04	6,662.42	0.00	0.00	0.00
19,200.00	90.00	359.59	12,500.00	6,743.51	-528.76	6,762.30	0.00	0.00	0.00
19,300.00	90.00	359.59	12,500.00	6,843.51	-529.47	6,862.19	0.00	0.00	0.00
19,400.00	90.00	359.59	12,500.00	6,943.50	-530.19	6,962.08	0.00	0.00	0.00
19,500.00	90.00	359.59	12,500.00	7,043.50	-530.91	7,061.97	0.00	0.00	0.00
19,600.00	90.00	359.59	12,500.00	7,143.50	-531.62	7,161.86	0.00	0.00	0.00
19,700.00	90.00	359.59	12,500.00	7,243.50	-532.34	7,261.74	0.00	0.00	0.00
19,800.00	90.00	359.59	12,500.00	7,343.49	-533.05	7,361.63	0.00	0.00	0.00
19,900.00	90.00	359.59	12,500.00	7,443.49	-533.77	7,461.52	0.00	0.00	0.00
20,000.00	90.00	359.59	12,500.00	7,543.49	-534.48	7,561.41	0.00	0.00	0.00
20,100.00	90.00	359.59	12,500.00	7,643.49	-535.20	7,661.29	0.00	0.00	0.00
20,200.00	90.00	359.59	12,500.00	7,743.48	-535.92	7,761.18	0.00	0.00	0.00
20,300.00	90.00	359.59	12,500.00	7,843.48	-536.63	7,861.07	0.00	0.00	0.00
20,400.00	90.00	359.59	12,500.00	7,943.48	-537.35	7,960.96	0.00	0.00	0.00
20,500.00	90.00	359.59	12,500.00	8,043.48	-538.06	8,060.85	0.00	0.00	0.00
20,600.00	90.00	359.59	12,500.00	8,143.47	-538.78	8,160.73	0.00	0.00	0.00
20,700.00	90.00	359.59	12,500.00	8,243.47	-539.49	8,260.62	0.00	0.00	0.00
20,800.00	90.00	359.59	12,500.00	8,343.47	-540.21	8,360.51	0.00	0.00	0.00
20,900.00	90.00	359.59	12,500.00	8,443.47	-540.92	8,460.40	0.00	0.00	0.00
21,000.00	90.00	359.59	12,500.00	8,543.46	-541.64	8,560.29	0.00	0.00	0.00
21,100.00	90.00	359.59	12,500.00	8,643.46	-542.36	8,660.17	0.00	0.00	0.00
21,200.00	90.00	359.59	12,500.00	8,743.46	-543.07	8,760.06	0.00	0.00	0.00
21,300.00	90.00	359.59	12,500.00	8,843.46	-543.79	8,859.95	0.00	0.00	0.00
21,400.00	90.00	359.59	12,500.00	8,943.45	-544.50	8,959.84	0.00	0.00	0.00
21,500.00	90.00	359.59	12,500.00	9,043.45	-545.22	9,059.72	0.00	0.00	0.00
21,600.00	90.00	359.59	12,500.00	9,143.45	-545.93	9,159.61	0.00	0.00	0.00
21,700.00	90.00	359.59	12,500.00	9,243.45	-546.65	9,259.50	0.00	0.00	0.00
21,800.00	90.00	359.59	12,500.00	9,343.44	-547.36	9,359.39	0.00	0.00	0.00
21,900.00	90.00	359.59	12,500.00	9,443.44	-548.08	9,459.28	0.00	0.00	0.00
22,000.00	90.00	359.59	12,500.00	9,543.44	-548.80	9,559.16	0.00	0.00	0.00
22,100.00	90.00	359.59	12,500.00	9,643.43	-549.51	9,659.05	0.00	0.00	0.00
22,200.00	90.00	359.59	12,500.00	9,743.43	-550.23	9,758.94	0.00	0.00	0.00
22,300.00	90.00	359.59	12,500.00	9,843.43	-550.94	9,858.83	0.00	0.00	0.00
22,400.00	90.00	359.59	12,500.00	9,943.43	-551.66	9,958.71	0.00	0.00	0.00
22,500.00	90.00	359.59	12,500.00	10,043.42	-552.37	10,058.60	0.00	0.00	0.00
22,587.58	90.00	359.59	12,500.00	10,131.00	-553.00	10,146.08	0.00	0.00	0.00

PBHL (Dogwood 23 Fed Com #707H)



EOG Resources, Inc.
Planning Report

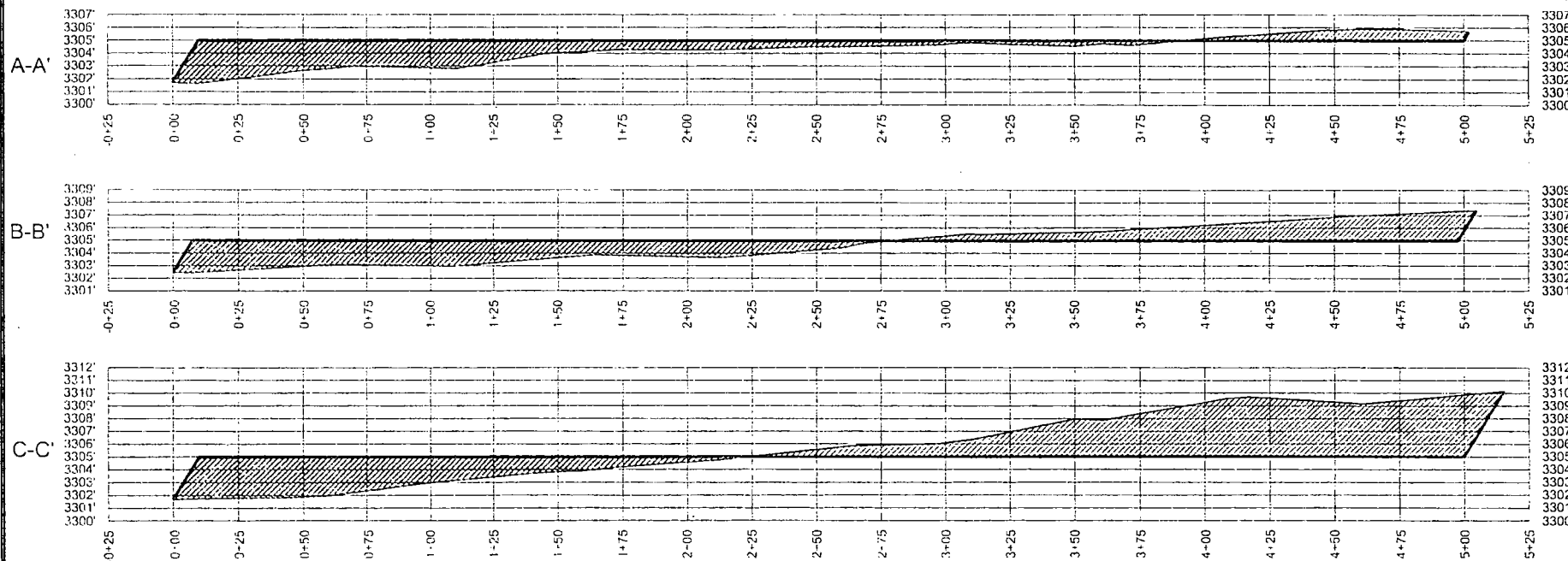
Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
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Design Targets

Target Name	Dip Angle	Dip Dir:	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
FTP (Dogwood 23 Fed C	0.00	0.01	12,500.00	133.00	-480.00	372,852.00	785,471.00	32.02260374	-103.54559322
- plan misses target center by 39.48usft at 12600.00usft MD (12463.69 TVD, 148.48 N, -479.47 E)									
- Point									
PBHL (Dogwood 23 Fed	0.00	0.01	12,500.00	10,131.00	-553.00	382,850.00	785,398.00	32.05008699	-103.54559348
- plan hits target center									
- Point									

PRELIMINARY
SECTION 24, TOWNSHIP 26-S, RANGE 33-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



Horizontal Scale = 1"=60'
Vertical Scale = 1"=5'



1409 EVERMAN PARKWAY, SUITE 107 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7548
TEXAS FIRM REGISTRATION NO. 10042504
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DOGWOOD 23 FED COM #705H #706H & #707H SITE DATE: 05/25/17 FILE: CD:\DOGWOOD\23FEDCOM\23EN_705H_707H_SITE_PRO DRAWN BY: GJU SHEET: 2 OF 2	REVISION:		NOTES: 1. ORIGINAL DOCUMENT SIZE, 8.5" X 11" 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 1983. 3. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT, IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY EOG RESOURCES, INC. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.
	INT	DATE	

Michael Blake Brown, P.S. No. 18329
FEBRUARY 1, 2017
Field note description of even date accompanies this plat.