

30-025-44975



HOBBS OCD
JUL 12 2018
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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Savage 2 State Com

#701H

OH

Plan: Plan #0.1

Standard Planning Report

11 July, 2018

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #701H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3540.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3540.0usft
Site:	Savage 2 State Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	Savage 2 State Com				
Site Position:		Northing:	424,469.00 usft	Latitude:	32° 8' 54.412 N
From:	Map	Easting:	751,845.00 usft	Longitude:	103° 39' 10.929 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.36 °

Well	#701H					
Well Position	+N/-S	301.0 usft	Northing:	424,770.00 usft	Latitude:	32° 9' 57.389 N
	+E/-W	31.0 usft	Easting:	751,876.00 usft	Longitude:	103° 39' 10.546 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,515.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/11/2018	6.87	59.98	47,784.89875183

Design	Plan #0.1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	180.26

Plan Survey Tool Program	Date 7/11/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore):	Tool Name	Remarks
1	0.0	17,208.7 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	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,089.4	1.79	347.37	3,089.4	1.4	-0.3	2.00	2.00	0.00	347.37	
11,709.3	1.79	347.37	11,705.1	263.9	-59.1	0.00	0.00	0.00	0.00	
11,798.7	0.00	0.00	11,794.5	265.3	-59.5	2.00	-2.00	0.00	180.00 KOP(Savage 2 SC #7	
12,548.7	90.00	179.58	12,272.0	-212.2	-56.0	12.00	12.00	23.94	179.58	
17,208.7	90.00	179.58	12,272.0	-4,870.0	-22.0	0.00	0.00	0.00	0.00 PBHL(Savage 2 SC #	



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Savage 2 State Com
 Well: #701H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #701H
 TVD Reference: KB = 25 @ 3540.0usft
 MD Reference: KB = 25 @ 3540.0usft
 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
3,089.4	1.79	347.37	3,089.4	1.4	-0.3	-1.4	2.00	2.00	0.00
3,100.0	1.79	347.37	3,100.0	1.7	-0.4	-1.7	0.00	0.00	0.00
3,200.0	1.79	347.37	3,199.9	4.7	-1.1	-4.7	0.00	0.00	0.00
3,300.0	1.79	347.37	3,299.9	7.8	-1.7	-7.8	0.00	0.00	0.00
3,400.0	1.79	347.37	3,399.8	10.8	-2.4	-10.8	0.00	0.00	0.00
3,500.0	1.79	347.37	3,499.8	13.9	-3.1	-13.9	0.00	0.00	0.00
3,600.0	1.79	347.37	3,599.7	16.9	-3.8	-16.9	0.00	0.00	0.00
3,700.0	1.79	347.37	3,699.7	20.0	-4.5	-19.9	0.00	0.00	0.00
3,800.0	1.79	347.37	3,799.6	23.0	-5.2	-23.0	0.00	0.00	0.00
3,900.0	1.79	347.37	3,899.6	26.1	-5.8	-26.0	0.00	0.00	0.00
4,000.0	1.79	347.37	3,999.5	29.1	-6.5	-29.1	0.00	0.00	0.00
4,100.0	1.79	347.37	4,099.5	32.1	-7.2	-32.1	0.00	0.00	0.00
4,200.0	1.79	347.37	4,199.4	35.2	-7.9	-35.2	0.00	0.00	0.00
4,300.0	1.79	347.37	4,299.4	38.2	-8.6	-38.2	0.00	0.00	0.00
4,400.0	1.79	347.37	4,399.3	41.3	-9.3	-41.2	0.00	0.00	0.00
4,500.0	1.79	347.37	4,499.3	44.3	-9.9	-44.3	0.00	0.00	0.00
4,600.0	1.79	347.37	4,599.2	47.4	-10.6	-47.3	0.00	0.00	0.00
4,700.0	1.79	347.37	4,699.2	50.4	-11.3	-50.4	0.00	0.00	0.00
4,800.0	1.79	347.37	4,799.2	53.5	-12.0	-53.4	0.00	0.00	0.00
4,900.0	1.79	347.37	4,899.1	56.5	-12.7	-56.5	0.00	0.00	0.00
5,000.0	1.79	347.37	4,999.1	59.6	-13.3	-59.5	0.00	0.00	0.00
5,100.0	1.79	347.37	5,099.0	62.6	-14.0	-62.5	0.00	0.00	0.00
5,200.0	1.79	347.37	5,199.0	65.6	-14.7	-65.6	0.00	0.00	0.00

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Site:	Savage 2 State Com	North Reference:	Grid
Well:	#701H	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	1.79	347.37	5,298.9	68.7	-15.4	-68.6	0.00	0.00	0.00
5,400.0	1.79	347.37	5,398.9	71.7	-16.1	-71.7	0.00	0.00	0.00
5,500.0	1.79	347.37	5,498.8	74.8	-16.8	-74.7	0.00	0.00	0.00
5,600.0	1.79	347.37	5,598.8	77.8	-17.4	-77.8	0.00	0.00	0.00
5,700.0	1.79	347.37	5,698.7	80.9	-18.1	-80.8	0.00	0.00	0.00
5,800.0	1.79	347.37	5,798.7	83.9	-18.8	-83.8	0.00	0.00	0.00
5,900.0	1.79	347.37	5,898.6	87.0	-19.5	-86.9	0.00	0.00	0.00
6,000.0	1.79	347.37	5,998.6	90.0	-20.2	-89.9	0.00	0.00	0.00
6,100.0	1.79	347.37	6,098.5	93.1	-20.9	-93.0	0.00	0.00	0.00
6,200.0	1.79	347.37	6,198.5	96.1	-21.5	-96.0	0.00	0.00	0.00
6,300.0	1.79	347.37	6,298.4	99.2	-22.2	-99.1	0.00	0.00	0.00
6,400.0	1.79	347.37	6,398.4	102.2	-22.9	-102.1	0.00	0.00	0.00
6,500.0	1.79	347.37	6,498.3	105.2	-23.6	-105.1	0.00	0.00	0.00
6,600.0	1.79	347.37	6,598.3	108.3	-24.3	-108.2	0.00	0.00	0.00
6,700.0	1.79	347.37	6,698.2	111.3	-25.0	-111.2	0.00	0.00	0.00
6,800.0	1.79	347.37	6,798.2	114.4	-25.6	-114.3	0.00	0.00	0.00
6,900.0	1.79	347.37	6,898.1	117.4	-26.3	-117.3	0.00	0.00	0.00
7,000.0	1.79	347.37	6,998.1	120.5	-27.0	-120.4	0.00	0.00	0.00
7,100.0	1.79	347.37	7,098.0	123.5	-27.7	-123.4	0.00	0.00	0.00
7,200.0	1.79	347.37	7,198.0	126.6	-28.4	-126.4	0.00	0.00	0.00
7,300.0	1.79	347.37	7,297.9	129.6	-29.0	-129.5	0.00	0.00	0.00
7,400.0	1.79	347.37	7,397.8	132.7	-29.7	-132.5	0.00	0.00	0.00
7,500.0	1.79	347.37	7,497.8	135.7	-30.4	-135.6	0.00	0.00	0.00
7,600.0	1.79	347.37	7,597.8	138.8	-31.1	-138.6	0.00	0.00	0.00
7,700.0	1.79	347.37	7,697.7	141.8	-31.8	-141.7	0.00	0.00	0.00
7,800.0	1.79	347.37	7,797.7	144.8	-32.5	-144.7	0.00	0.00	0.00
7,900.0	1.79	347.37	7,897.6	147.9	-33.1	-147.7	0.00	0.00	0.00
8,000.0	1.79	347.37	7,997.6	150.9	-33.8	-150.8	0.00	0.00	0.00
8,100.0	1.79	347.37	8,097.5	154.0	-34.5	-153.8	0.00	0.00	0.00
8,200.0	1.79	347.37	8,197.5	157.0	-35.2	-156.9	0.00	0.00	0.00
8,300.0	1.79	347.37	8,297.4	160.1	-35.9	-159.9	0.00	0.00	0.00
8,400.0	1.79	347.37	8,397.4	163.1	-36.6	-163.0	0.00	0.00	0.00
8,500.0	1.79	347.37	8,497.3	166.2	-37.2	-166.0	0.00	0.00	0.00
8,600.0	1.79	347.37	8,597.3	169.2	-37.9	-169.0	0.00	0.00	0.00
8,700.0	1.79	347.37	8,697.3	172.3	-38.6	-172.1	0.00	0.00	0.00
8,800.0	1.79	347.37	8,797.2	175.3	-39.3	-175.1	0.00	0.00	0.00
8,900.0	1.79	347.37	8,897.2	178.4	-40.0	-178.2	0.00	0.00	0.00
9,000.0	1.79	347.37	8,997.1	181.4	-40.7	-181.2	0.00	0.00	0.00
9,100.0	1.79	347.37	9,097.1	184.4	-41.3	-184.3	0.00	0.00	0.00
9,200.0	1.79	347.37	9,197.0	187.5	-42.0	-187.3	0.00	0.00	0.00
9,300.0	1.79	347.37	9,297.0	190.5	-42.7	-190.3	0.00	0.00	0.00
9,400.0	1.79	347.37	9,396.9	193.6	-43.4	-193.4	0.00	0.00	0.00
9,500.0	1.79	347.37	9,496.9	196.6	-44.1	-196.4	0.00	0.00	0.00
9,600.0	1.79	347.37	9,596.8	199.7	-44.8	-199.5	0.00	0.00	0.00
9,700.0	1.79	347.37	9,696.8	202.7	-45.4	-202.5	0.00	0.00	0.00
9,800.0	1.79	347.37	9,796.7	205.8	-46.1	-205.6	0.00	0.00	0.00
9,900.0	1.79	347.37	9,896.7	208.8	-46.8	-208.6	0.00	0.00	0.00
10,000.0	1.79	347.37	9,996.6	211.9	-47.5	-211.6	0.00	0.00	0.00
10,100.0	1.79	347.37	10,096.6	214.9	-48.2	-214.7	0.00	0.00	0.00
10,200.0	1.79	347.37	10,196.5	217.9	-48.8	-217.7	0.00	0.00	0.00
10,300.0	1.79	347.37	10,296.5	221.0	-49.5	-220.8	0.00	0.00	0.00
10,400.0	1.79	347.37	10,396.4	224.0	-50.2	-223.8	0.00	0.00	0.00
10,500.0	1.79	347.37	10,496.4	227.1	-50.9	-226.9	0.00	0.00	0.00
10,600.0	1.79	347.37	10,596.3	230.1	-51.6	-229.9	0.00	0.00	0.00

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Site:	Savage 2 State Com	North Reference:	Grid
Well:	#701H	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)	
10,700.0	1.79	347.37	10,696.3	233.2	-52.3	-232.9	0.00	0.00	0.00	
10,800.0	1.79	347.37	10,796.2	236.2	-52.9	-236.0	0.00	0.00	0.00	
10,900.0	1.79	347.37	10,896.2	239.3	-53.8	-239.0	0.00	0.00	0.00	
11,000.0	1.79	347.37	10,996.1	242.3	-54.3	-242.1	0.00	0.00	0.00	
11,100.0	1.79	347.37	11,096.1	245.4	-55.0	-245.1	0.00	0.00	0.00	
11,200.0	1.79	347.37	11,196.0	248.4	-55.7	-248.2	0.00	0.00	0.00	
11,300.0	1.79	347.37	11,296.0	251.5	-56.4	-251.2	0.00	0.00	0.00	
11,400.0	1.79	347.37	11,395.9	254.5	-57.0	-254.2	0.00	0.00	0.00	
11,500.0	1.79	347.37	11,495.9	257.5	-57.7	-257.3	0.00	0.00	0.00	
11,600.0	1.79	347.37	11,595.8	260.6	-58.4	-260.3	0.00	0.00	0.00	
11,709.3	1.79	347.37	11,705.1	263.9	-59.1	-263.7	0.00	0.00	0.00	
11,798.7	0.00	0.00	11,794.5	265.3	-59.5	-265.0	2.00	-2.00	0.00	
KOP(Savage 2 SC #701H)										
11,800.0	0.15	179.58	11,795.8	265.3	-59.5	-265.0	12.00	12.00	0.00	
11,825.0	3.15	179.58	11,820.8	264.6	-59.4	-264.3	12.00	12.00	0.00	
11,850.0	6.15	179.58	11,845.7	262.5	-59.4	-262.3	12.00	12.00	0.00	
11,875.0	9.15	179.58	11,870.4	259.2	-59.4	-258.9	12.00	12.00	0.00	
11,900.0	12.15	179.58	11,895.0	254.6	-59.4	-254.3	12.00	12.00	0.00	
11,925.0	15.15	179.58	11,919.3	248.7	-59.3	-248.4	12.00	12.00	0.00	
11,950.0	18.15	179.58	11,943.3	241.5	-59.3	-241.3	12.00	12.00	0.00	
11,975.0	21.15	179.58	11,966.8	233.1	-59.2	-232.8	12.00	12.00	0.00	
12,000.0	24.15	179.58	11,989.9	223.5	-59.2	-223.2	12.00	12.00	0.00	
12,025.0	27.15	179.58	12,012.4	212.7	-59.1	-212.4	12.00	12.00	0.00	
12,050.0	30.15	179.58	12,034.3	200.7	-59.0	-200.4	12.00	12.00	0.00	
12,075.0	33.15	179.58	12,055.6	187.6	-58.9	-187.3	12.00	12.00	0.00	
12,100.0	36.15	179.58	12,076.2	173.4	-58.8	-173.1	12.00	12.00	0.00	
12,125.0	39.15	179.58	12,096.0	158.1	-58.7	-157.8	12.00	12.00	0.00	
12,150.0	42.15	179.58	12,114.9	141.8	-58.6	-141.5	12.00	12.00	0.00	
12,175.0	45.15	179.58	12,133.0	124.5	-58.4	-124.3	12.00	12.00	0.00	
12,200.0	48.15	179.58	12,150.2	106.4	-58.3	-106.1	12.00	12.00	0.00	
FTP(Savage 2 SC #701H)										
12,225.0	51.15	179.58	12,166.4	87.3	-58.2	-87.0	12.00	12.00	0.00	
12,250.0	54.15	179.58	12,181.5	67.4	-58.0	-87.2	12.00	12.00	0.00	
12,275.0	57.15	179.58	12,195.6	46.8	-57.9	-46.5	12.00	12.00	0.00	
12,300.0	60.15	179.58	12,208.6	25.5	-57.7	-25.2	12.00	12.00	0.00	
12,325.0	63.15	179.58	12,220.5	3.5	-57.5	-3.2	12.00	12.00	0.00	
12,350.0	66.15	179.58	12,231.2	-19.1	-57.4	19.4	12.00	12.00	0.00	
12,375.0	69.15	179.58	12,240.7	-42.3	-57.2	42.5	12.00	12.00	0.00	
12,400.0	72.15	179.58	12,249.0	-65.8	-57.0	66.1	12.00	12.00	0.00	
12,425.0	75.15	179.58	12,256.0	-89.8	-56.9	90.1	12.00	12.00	0.00	
12,450.0	78.15	179.58	12,261.8	-114.1	-56.7	114.4	12.00	12.00	0.00	
12,475.0	81.15	179.58	12,266.3	-138.7	-56.5	139.0	12.00	12.00	0.00	
12,500.0	84.15	179.58	12,269.5	-163.5	-56.3	163.8	12.00	12.00	0.00	
12,525.0	87.15	179.58	12,271.4	-188.4	-56.1	188.7	12.00	12.00	0.00	
12,548.7	90.00	179.58	12,272.0	-212.2	-56.0	212.4	12.00	12.00	0.00	
12,600.0	90.00	179.58	12,272.0	-263.4	-55.6	263.7	0.00	0.00	0.00	
12,700.0	90.00	179.58	12,272.0	-363.4	-54.9	363.7	0.00	0.00	0.00	
12,800.0	90.00	179.58	12,272.0	-463.4	-54.1	463.7	0.00	0.00	0.00	
12,900.0	90.00	179.58	12,272.0	-563.4	-53.4	563.7	0.00	0.00	0.00	
13,000.0	90.00	179.58	12,272.0	-663.4	-52.7	663.7	0.00	0.00	0.00	
13,100.0	90.00	179.58	12,272.0	-763.4	-52.0	763.7	0.00	0.00	0.00	
13,200.0	90.00	179.58	12,272.0	-863.4	-51.2	863.6	0.00	0.00	0.00	
13,300.0	90.00	179.58	12,272.0	-963.4	-50.5	963.6	0.00	0.00	0.00	
13,400.0	90.00	179.58	12,272.0	-1,063.4	-49.8	1,063.6	0.00	0.00	0.00	



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #701H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3540.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3540.0usft
Site:	Savage 2 State Corn	North Reference:	Grid
Well:	#701H	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)
13,500.0	90.00	179.58	12,272.0	-1,163.4	-49.0	1,163.6	0.00	0.00	0.00
13,600.0	90.00	179.58	12,272.0	-1,263.4	-48.3	1,263.6	0.00	0.00	0.00
13,700.0	90.00	179.58	12,272.0	-1,363.4	-47.6	1,363.6	0.00	0.00	0.00
13,800.0	90.00	179.58	12,272.0	-1,463.4	-46.8	1,463.6	0.00	0.00	0.00
13,900.0	90.00	179.58	12,272.0	-1,563.4	-46.1	1,563.6	0.00	0.00	0.00
14,000.0	90.00	179.58	12,272.0	-1,663.4	-45.4	1,663.6	0.00	0.00	0.00
14,100.0	90.00	179.58	12,272.0	-1,763.4	-44.7	1,763.6	0.00	0.00	0.00
14,200.0	90.00	179.58	12,272.0	-1,863.4	-43.9	1,863.6	0.00	0.00	0.00
14,300.0	90.00	179.58	12,272.0	-1,963.4	-43.2	1,963.6	0.00	0.00	0.00
14,400.0	90.00	179.58	12,272.0	-2,063.4	-42.5	2,063.6	0.00	0.00	0.00
14,500.0	90.00	179.58	12,272.0	-2,163.4	-41.7	2,163.6	0.00	0.00	0.00
14,600.0	90.00	179.58	12,272.0	-2,263.4	-41.0	2,263.6	0.00	0.00	0.00
14,700.0	90.00	179.58	12,272.0	-2,363.4	-40.3	2,363.6	0.00	0.00	0.00
14,800.0	90.00	179.58	12,272.0	-2,463.4	-39.6	2,463.6	0.00	0.00	0.00
14,900.0	90.00	179.58	12,272.0	-2,563.4	-38.8	2,563.6	0.00	0.00	0.00
15,000.0	90.00	179.58	12,272.0	-2,663.4	-38.1	2,663.6	0.00	0.00	0.00
15,100.0	90.00	179.58	12,272.0	-2,763.4	-37.4	2,763.6	0.00	0.00	0.00
15,200.0	90.00	179.58	12,272.0	-2,863.4	-36.6	2,863.6	0.00	0.00	0.00
15,300.0	90.00	179.58	12,272.0	-2,963.4	-35.9	2,963.6	0.00	0.00	0.00
15,400.0	90.00	179.58	12,272.0	-3,063.4	-35.2	3,063.6	0.00	0.00	0.00
15,500.0	90.00	179.58	12,272.0	-3,163.4	-34.4	3,163.6	0.00	0.00	0.00
15,600.0	90.00	179.58	12,272.0	-3,263.4	-33.7	3,263.6	0.00	0.00	0.00
15,700.0	90.00	179.58	12,272.0	-3,363.4	-33.0	3,363.6	0.00	0.00	0.00
15,800.0	90.00	179.58	12,272.0	-3,463.4	-32.3	3,463.6	0.00	0.00	0.00
15,900.0	90.00	179.58	12,272.0	-3,563.4	-31.5	3,563.6	0.00	0.00	0.00
16,000.0	90.00	179.58	12,272.0	-3,663.4	-30.8	3,663.6	0.00	0.00	0.00
16,100.0	90.00	179.58	12,272.0	-3,763.4	-30.1	3,763.6	0.00	0.00	0.00
16,200.0	90.00	179.58	12,272.0	-3,863.4	-29.3	3,863.6	0.00	0.00	0.00
16,300.0	90.00	179.58	12,272.0	-3,963.4	-28.6	3,963.6	0.00	0.00	0.00
16,400.0	90.00	179.58	12,272.0	-4,063.4	-27.9	4,063.6	0.00	0.00	0.00
16,500.0	90.00	179.58	12,272.0	-4,163.4	-27.2	4,163.6	0.00	0.00	0.00
16,600.0	90.00	179.58	12,272.0	-4,263.4	-26.4	4,263.6	0.00	0.00	0.00
16,700.0	90.00	179.58	12,272.0	-4,363.4	-25.7	4,363.6	0.00	0.00	0.00
16,800.0	90.00	179.58	12,272.0	-4,463.4	-25.0	4,463.6	0.00	0.00	0.00
16,900.0	90.00	179.58	12,272.0	-4,563.4	-24.2	4,563.6	0.00	0.00	0.00
17,000.0	90.00	179.58	12,272.0	-4,663.4	-23.5	4,663.6	0.00	0.00	0.00
17,100.0	90.00	179.58	12,272.0	-4,763.4	-22.8	4,763.6	0.00	0.00	0.00
17,206.7	90.00	179.58	12,272.0	-4,870.0	-22.0	4,870.0	0.00	0.00	0.00
PBHL(Savage 2 SC #701H)									



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #701H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3540.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3540.0usft
Site:	Savage 2 State Com	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

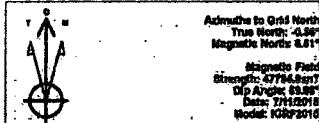
Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
KOP(Savage 2 SC #701	0.00	0.00	11,794.5	265.3	-59.5	425,035.28	751,816.54	32° 10' 0.017 N	103° 39' 11.218 W
- plan hits target center									
- Point									
FTP(Savage 2 SC #701I	0.00	0.00	12,272.0	215.0	-59.0	424,985.00	751,817.00	32° 9' 59.520 N	103° 39' 11.216 W
- plan misses target center by 183.2usft at 12200.0usft MD (12150.2 TVD, 106.4 N, -58.3 E)									
- Point									
PBHL(Savage 2 SC #70	0.00	0.00	12,272.0	-4,870.0	-22.0	419,900.00	751,854.00	32° 9' 9.199 N	103° 39' 11.160 W
- plan hits target center									
- Polygon									
Point 1			12,272.0	5,160.1	-87.5	425,060.10	751,766.50		
Point 2			12,272.0	5,161.2	37.3	425,081.20	751,891.30		
Point 3			12,272.0	5,085.7	38.0	424,985.70	751,892.00		
Point 4			12,272.0	5,085.2	-7.0	424,985.20	751,847.00		
Point 5			12,272.0	0.4	30.0	419,900.40	751,884.00		
Point 6			12,272.0	-0.2	-30.0	419,899.80	751,824.00		
Point 7			12,272.0	5,160.1	-87.5	425,060.10	751,766.50		



Lea County, NM (NAD 83 NME)

Savage 2 State Com #701H

Plan #0.1



To convert a Magnetic Direction to a Grid Direction, Add 8.61°
To convert a Magnetic Direction to a True Direction, Add 8.61° East
To convert a True Direction to a Grid Direction, Subtract 8.61°

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

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

WELL DETAILS: #701H

KB = 25 @ 3540.00m
Northing 424770.00
Eastings 791878.00
32° 57' 07.359 N
103° 59' 10.548 W

SECTION DETAILS

Sec	MD	Inc	Adj	TVD	+NA-S	+E-W	Chg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3089.4	1.79	347.37	3089.4	1.4	-0.3	2.00	347.37	-1.4	
4	11709.3	1.79	347.37	11705.1	263.9	-56.1	0.00	0.00	-263.7	
5	11768.7	0.00	0.00	11764.5	263.3	-56.5	2.00	180.00	-265.0	KOP(Savage 2 SC #701H)
6	12548.7	90.00	179.58	12272.0	-212.2	-56.0	12.00	179.58	212.4	
7	17266.7	90.00	179.58	12272.0	-4670.0	-22.0	0.00	0.00	4670.0	PSHL(Savage 2 SC #701H)

CASING DETAILS

No casing data is available

WELLSBORE YAMBY DETAILS (NAD CO-ORDINATES)

Name	TVD	+E-W	+NA-S	Northing	Eastings
KOP(Savage 2 SC #701H)	11764.5	263.3	-56.5	424770.00	791878.00
PSHL(Savage 2 SC #701H)	12272.0	212.4	-56.0	424770.00	791878.00
PSHL(Savage 2 SC #701H)	12272.0	-4670.0	-22.0	424770.00	791878.00

