

30-025-44974



HOBBS OCD
JUL 12 2018
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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Savage 2 State Com

#741H

OH

Plan: Plan #0.1

Standard Planning Report

11 July, 2018

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #741H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3541.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3541.0usft
Site:	Savage 2 State Com	North Reference:	Grid
Well:	#741H	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
From:	Map	Easting:	751,845.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 8' 54.412 N
		Longitude:	103° 39' 10.929 W
		Grid Convergence:	0.36 °

Well	#741H		
Well Position	+N/-S	301.0 usft	Northing:
	+E/-W	64.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	
		Latitude:	32° 8' 57.387 N
		Longitude:	103° 39' 10.162 W
		Ground Level:	3,516.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	7/11/2018	(°)
			Dip Angle
			(°)
			Field Strength
			(nT)
			59.98
			47,784.90231824

Design	Plan #0.1		
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
			(°)
			180.65

Plan Survey Tool Program	Date 7/11/2018		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.0	17,698.7 Plan #0.1 (OH)	MWD
			OWSG MWD - Standard

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	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	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,087.5	1.75	340.79	3,087.4	1.3	-0.4	2.00	2.00	0.00	340.79	
12,203.3	1.75	340.79	12,199.1	264.0	-92.0	0.00	0.00	0.00	0.00	
12,290.8	0.00	0.00	12,286.5	265.3	-92.5	2.00	-2.00	0.00	180.00 KOP(Savage 2 SC #7	
13,040.8	90.00	179.58	12,764.0	-212.2	-89.0	12.00	12.00	23.94	179.58	
17,698.7	90.00	179.58	12,764.0	-4,870.0	-55.0	0.00	0.00	0.00	0.00 PBHL(Savage 2 SC #	



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Site:	Savage 2 State Com	North Reference:	Grid
Well:	#741H	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	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
3,087.5	1.75	340.79	3,087.4	1.3	-0.4	-1.3	2.00	2.00	0.00
3,100.0	1.75	340.79	3,100.0	1.6	-0.6	-1.6	0.00	0.00	0.00
3,200.0	1.75	340.79	3,199.9	4.5	-1.6	-4.5	0.00	0.00	0.00
3,300.0	1.75	340.79	3,299.9	7.4	-2.6	-7.4	0.00	0.00	0.00
3,400.0	1.75	340.79	3,399.8	10.3	-3.6	-10.2	0.00	0.00	0.00
3,500.0	1.75	340.79	3,499.8	13.2	-4.6	-13.1	0.00	0.00	0.00
3,600.0	1.75	340.79	3,599.7	16.0	-5.6	-16.0	0.00	0.00	0.00
3,700.0	1.75	340.79	3,699.7	18.9	-6.6	-18.8	0.00	0.00	0.00
3,800.0	1.75	340.79	3,799.7	21.8	-7.6	-21.7	0.00	0.00	0.00
3,900.0	1.75	340.79	3,899.6	24.7	-8.6	-24.6	0.00	0.00	0.00
4,000.0	1.75	340.79	3,999.6	27.6	-9.6	-27.5	0.00	0.00	0.00
4,100.0	1.75	340.79	4,099.5	30.4	-10.6	-30.3	0.00	0.00	0.00
4,200.0	1.75	340.79	4,199.5	33.3	-11.6	-33.2	0.00	0.00	0.00
4,300.0	1.75	340.79	4,299.4	36.2	-12.6	-36.1	0.00	0.00	0.00
4,400.0	1.75	340.79	4,399.4	39.1	-13.6	-38.9	0.00	0.00	0.00
4,500.0	1.75	340.79	4,499.3	42.0	-14.6	-41.8	0.00	0.00	0.00
4,600.0	1.75	340.79	4,599.3	44.9	-15.6	-44.7	0.00	0.00	0.00
4,700.0	1.75	340.79	4,699.2	47.7	-16.6	-47.6	0.00	0.00	0.00
4,800.0	1.75	340.79	4,799.2	50.6	-17.6	-50.4	0.00	0.00	0.00
4,900.0	1.75	340.79	4,899.1	53.5	-18.6	-53.3	0.00	0.00	0.00
5,000.0	1.75	340.79	4,999.1	56.4	-19.7	-56.2	0.00	0.00	0.00
5,100.0	1.75	340.79	5,099.0	59.3	-20.7	-59.0	0.00	0.00	0.00
5,200.0	1.75	340.79	5,199.0	62.2	-21.7	-61.9	0.00	0.00	0.00



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Site:	Savage 2 State Corn	North Reference:	Grid
Well:	#741H	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	1.75	340.79	5,299.0	65.0	-22.7	-64.8	0.00	0.00	0.00
5,400.0	1.75	340.79	5,398.9	67.9	-23.7	-67.6	0.00	0.00	0.00
5,500.0	1.75	340.79	5,498.9	70.8	-24.7	-70.5	0.00	0.00	0.00
5,600.0	1.75	340.79	5,598.8	73.7	-25.7	-73.4	0.00	0.00	0.00
5,700.0	1.75	340.79	5,698.8	76.6	-26.7	-76.3	0.00	0.00	0.00
5,800.0	1.75	340.79	5,798.7	79.4	-27.7	-79.1	0.00	0.00	0.00
5,900.0	1.75	340.79	5,898.7	82.3	-28.7	-82.0	0.00	0.00	0.00
6,000.0	1.75	340.79	5,998.6	85.2	-29.7	-84.9	0.00	0.00	0.00
6,100.0	1.75	340.79	6,098.6	88.1	-30.7	-87.7	0.00	0.00	0.00
6,200.0	1.75	340.79	6,198.5	91.0	-31.7	-90.6	0.00	0.00	0.00
6,300.0	1.75	340.79	6,298.5	93.9	-32.7	-93.5	0.00	0.00	0.00
6,400.0	1.75	340.79	6,398.4	96.7	-33.7	-96.4	0.00	0.00	0.00
6,500.0	1.75	340.79	6,498.4	99.6	-34.7	-99.2	0.00	0.00	0.00
6,600.0	1.75	340.79	6,598.3	102.5	-35.7	-102.1	0.00	0.00	0.00
6,700.0	1.75	340.79	6,698.3	105.4	-36.7	-105.0	0.00	0.00	0.00
6,800.0	1.75	340.79	6,798.3	108.3	-37.7	-107.8	0.00	0.00	0.00
6,900.0	1.75	340.79	6,898.2	111.2	-38.7	-110.7	0.00	0.00	0.00
7,000.0	1.75	340.79	6,998.2	114.0	-39.7	-113.6	0.00	0.00	0.00
7,100.0	1.75	340.79	7,098.1	116.9	-40.7	-116.5	0.00	0.00	0.00
7,200.0	1.75	340.79	7,198.1	119.8	-41.8	-119.3	0.00	0.00	0.00
7,300.0	1.75	340.79	7,298.0	122.7	-42.8	-122.2	0.00	0.00	0.00
7,400.0	1.75	340.79	7,398.0	125.6	-43.8	-125.1	0.00	0.00	0.00
7,500.0	1.75	340.79	7,497.9	128.5	-44.8	-127.9	0.00	0.00	0.00
7,600.0	1.75	340.79	7,597.9	131.3	-45.8	-130.8	0.00	0.00	0.00
7,700.0	1.75	340.79	7,697.8	134.2	-46.8	-133.7	0.00	0.00	0.00
7,800.0	1.75	340.79	7,797.8	137.1	-47.8	-136.6	0.00	0.00	0.00
7,900.0	1.75	340.79	7,897.7	140.0	-48.8	-139.4	0.00	0.00	0.00
8,000.0	1.75	340.79	7,997.7	142.9	-49.8	-142.3	0.00	0.00	0.00
8,100.0	1.75	340.79	8,097.7	145.7	-50.8	-145.2	0.00	0.00	0.00
8,200.0	1.75	340.79	8,197.6	148.6	-51.8	-148.0	0.00	0.00	0.00
8,300.0	1.75	340.79	8,297.6	151.5	-52.8	-150.9	0.00	0.00	0.00
8,400.0	1.75	340.79	8,397.5	154.4	-53.8	-153.8	0.00	0.00	0.00
8,500.0	1.75	340.79	8,497.5	157.3	-54.8	-156.6	0.00	0.00	0.00
8,600.0	1.75	340.79	8,597.4	160.2	-55.8	-159.5	0.00	0.00	0.00
8,700.0	1.75	340.79	8,697.4	163.0	-56.8	-162.4	0.00	0.00	0.00
8,800.0	1.75	340.79	8,797.3	165.9	-57.8	-165.3	0.00	0.00	0.00
8,900.0	1.75	340.79	8,897.3	168.8	-58.8	-168.1	0.00	0.00	0.00
9,000.0	1.75	340.79	8,997.2	171.7	-59.8	-171.0	0.00	0.00	0.00
9,100.0	1.75	340.79	9,097.2	174.6	-60.8	-173.9	0.00	0.00	0.00
9,200.0	1.75	340.79	9,197.1	177.5	-61.8	-176.7	0.00	0.00	0.00
9,300.0	1.75	340.79	9,297.1	180.3	-62.8	-179.6	0.00	0.00	0.00
9,400.0	1.75	340.79	9,397.0	183.2	-63.9	-182.5	0.00	0.00	0.00
9,500.0	1.75	340.79	9,497.0	186.1	-64.9	-185.4	0.00	0.00	0.00
9,600.0	1.75	340.79	9,597.0	189.0	-65.9	-188.2	0.00	0.00	0.00
9,700.0	1.75	340.79	9,696.9	191.9	-66.9	-191.1	0.00	0.00	0.00
9,800.0	1.75	340.79	9,796.9	194.7	-67.9	-194.0	0.00	0.00	0.00
9,900.0	1.75	340.79	9,896.8	197.6	-68.9	-196.8	0.00	0.00	0.00
10,000.0	1.75	340.79	9,996.8	200.5	-69.9	-199.7	0.00	0.00	0.00
10,100.0	1.75	340.79	10,096.7	203.4	-70.9	-202.6	0.00	0.00	0.00
10,200.0	1.75	340.79	10,196.7	206.3	-71.9	-205.5	0.00	0.00	0.00
10,300.0	1.75	340.79	10,296.6	209.2	-72.9	-208.3	0.00	0.00	0.00
10,400.0	1.75	340.79	10,396.6	212.0	-73.9	-211.2	0.00	0.00	0.00
10,500.0	1.75	340.79	10,496.5	214.9	-74.9	-214.1	0.00	0.00	0.00
10,600.0	1.75	340.79	10,596.5	217.8	-75.9	-216.9	0.00	0.00	0.00

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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	1.75	340.79	10,698.4	220.7	-78.9	-219.8	0.00	0.00	0.00
10,800.0	1.75	340.79	10,798.4	223.6	-77.9	-222.7	0.00	0.00	0.00
10,900.0	1.75	340.79	10,898.3	226.5	-78.9	-225.5	0.00	0.00	0.00
11,000.0	1.75	340.79	10,998.3	229.3	-79.9	-228.4	0.00	0.00	0.00
11,100.0	1.75	340.79	11,098.3	232.2	-80.9	-231.3	0.00	0.00	0.00
11,200.0	1.75	340.79	11,198.2	235.1	-81.9	-234.2	0.00	0.00	0.00
11,300.0	1.75	340.79	11,298.2	238.0	-82.9	-237.0	0.00	0.00	0.00
11,400.0	1.75	340.79	11,398.1	240.9	-83.9	-239.9	0.00	0.00	0.00
11,500.0	1.75	340.79	11,498.1	243.8	-85.0	-242.8	0.00	0.00	0.00
11,600.0	1.75	340.79	11,598.0	246.6	-86.0	-245.6	0.00	0.00	0.00
11,700.0	1.75	340.79	11,698.0	249.5	-87.0	-248.5	0.00	0.00	0.00
11,800.0	1.75	340.79	11,795.9	252.4	-88.0	-251.4	0.00	0.00	0.00
11,900.0	1.75	340.79	11,895.9	255.3	-89.0	-254.3	0.00	0.00	0.00
12,000.0	1.75	340.79	11,995.8	258.2	-90.0	-257.1	0.00	0.00	0.00
12,100.0	1.75	340.79	12,095.8	261.0	-91.0	-260.0	0.00	0.00	0.00
12,203.3	1.75	340.79	12,199.1	264.0	-92.0	-263.0	0.00	0.00	0.00
12,280.8	0.00	0.00	12,286.5	265.3	-92.5	-264.2	2.00	-2.00	0.00
KOP(Savage 2 SC #741H)									
12,300.0	1.11	179.58	12,295.7	265.2	-92.5	-264.1	12.00	12.00	0.00
12,325.0	4.11	179.58	12,320.7	264.1	-92.4	-263.0	12.00	12.00	0.00
12,350.0	7.11	179.58	12,345.6	261.8	-92.4	-260.8	12.00	12.00	0.00
12,375.0	10.11	179.58	12,370.3	257.9	-92.4	-258.8	12.00	12.00	0.00
12,400.0	13.11	179.58	12,394.8	252.8	-92.4	-251.8	12.00	12.00	0.00
12,425.0	16.11	179.58	12,419.0	246.5	-92.3	-245.5	12.00	12.00	0.00
12,450.0	19.11	179.58	12,442.8	239.0	-92.3	-237.9	12.00	12.00	0.00
12,475.0	22.11	179.58	12,466.2	230.2	-92.2	-229.1	12.00	12.00	0.00
12,500.0	25.11	179.58	12,489.1	220.2	-92.1	-219.1	12.00	12.00	0.00
12,525.0	28.11	179.58	12,511.4	209.0	-92.0	-207.9	12.00	12.00	0.00
12,550.0	31.11	179.58	12,533.2	196.6	-92.0	-195.6	12.00	12.00	0.00
12,575.0	34.11	179.58	12,554.2	183.2	-91.9	-182.1	12.00	12.00	0.00
12,600.0	37.11	179.58	12,574.6	168.6	-91.7	-167.6	12.00	12.00	0.00
12,625.0	40.11	179.58	12,594.1	153.0	-91.6	-152.0	12.00	12.00	0.00
12,650.0	43.11	179.58	12,612.8	138.4	-91.5	-135.4	12.00	12.00	0.00
12,675.0	46.11	179.58	12,630.6	118.9	-91.4	-117.8	12.00	12.00	0.00
12,693.9	48.38	179.58	12,643.4	104.9	-91.3	-103.9	12.00	12.00	0.00
FTP(Savage 2 SC #741H)									
12,700.0	49.11	179.58	12,647.4	100.4	-91.3	-99.4	12.00	12.00	0.00
12,725.0	52.11	179.58	12,683.3	81.1	-91.1	-80.0	12.00	12.00	0.00
12,750.0	55.11	179.58	12,678.1	61.0	-91.0	-59.9	12.00	12.00	0.00
12,775.0	58.11	179.58	12,691.9	40.1	-90.8	-39.1	12.00	12.00	0.00
12,800.0	61.11	179.58	12,704.5	18.5	-90.7	-17.5	12.00	12.00	0.00
12,825.0	64.11	179.58	12,716.0	-3.7	-90.5	4.7	12.00	12.00	0.00
12,850.0	67.11	179.58	12,726.4	-26.4	-90.3	27.5	12.00	12.00	0.00
12,875.0	70.11	179.58	12,735.5	-49.7	-90.2	50.7	12.00	12.00	0.00
12,900.0	73.11	179.58	12,743.4	-73.4	-90.0	74.4	12.00	12.00	0.00
12,925.0	76.11	179.58	12,750.0	-97.5	-89.8	98.5	12.00	12.00	0.00
12,950.0	79.11	179.58	12,755.4	-121.9	-89.6	122.9	12.00	12.00	0.00
12,975.0	82.11	179.58	12,759.4	-146.6	-89.5	147.6	12.00	12.00	0.00
13,000.0	85.11	179.58	12,762.2	-171.4	-89.3	172.4	12.00	12.00	0.00
13,025.0	88.11	179.58	12,763.7	-196.4	-89.1	197.4	12.00	12.00	0.00
13,040.8	90.00	179.58	12,764.0	-212.2	-89.0	213.2	12.00	12.00	0.00
13,100.0	90.00	179.58	12,764.0	-271.4	-88.5	272.4	0.00	0.00	0.00
13,200.0	90.00	179.58	12,764.0	-371.4	-87.8	372.4	0.00	0.00	0.00
13,300.0	90.00	179.58	12,764.0	-471.4	-87.1	472.3	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #741H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3541.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3541.0usft
Site:	Savage 2 State Com	North Reference:	Grid
Well:	#741H	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)
13,400.0	90.00	179.58	12,764.0	-571.4	-86.4	572.3	0.00	0.00	0.00
13,500.0	90.00	179.58	12,764.0	-871.4	-85.6	872.3	0.00	0.00	0.00
13,600.0	90.00	179.58	12,764.0	-771.4	-84.9	772.3	0.00	0.00	0.00
13,700.0	90.00	179.58	12,764.0	-871.4	-84.2	872.3	0.00	0.00	0.00
13,800.0	90.00	179.58	12,764.0	-971.4	-83.4	972.3	0.00	0.00	0.00
13,900.0	90.00	179.58	12,764.0	-1,071.4	-82.7	1,072.2	0.00	0.00	0.00
14,000.0	90.00	179.58	12,764.0	-1,171.4	-82.0	1,172.2	0.00	0.00	0.00
14,100.0	90.00	179.58	12,764.0	-1,271.4	-81.2	1,272.2	0.00	0.00	0.00
14,200.0	90.00	179.58	12,764.0	-1,371.4	-80.5	1,372.2	0.00	0.00	0.00
14,300.0	90.00	179.58	12,764.0	-1,471.4	-79.8	1,472.2	0.00	0.00	0.00
14,400.0	90.00	179.58	12,764.0	-1,571.4	-79.1	1,572.1	0.00	0.00	0.00
14,500.0	90.00	179.58	12,764.0	-1,671.4	-78.3	1,672.1	0.00	0.00	0.00
14,600.0	90.00	179.58	12,764.0	-1,771.4	-77.6	1,772.1	0.00	0.00	0.00
14,700.0	90.00	179.58	12,764.0	-1,871.3	-76.9	1,872.1	0.00	0.00	0.00
14,800.0	90.00	179.58	12,764.0	-1,971.3	-76.1	1,972.1	0.00	0.00	0.00
14,900.0	90.00	179.58	12,764.0	-2,071.3	-75.4	2,072.1	0.00	0.00	0.00
15,000.0	90.00	179.58	12,764.0	-2,171.3	-74.7	2,172.0	0.00	0.00	0.00
15,100.0	90.00	179.58	12,764.0	-2,271.3	-74.0	2,272.0	0.00	0.00	0.00
15,200.0	90.00	179.58	12,764.0	-2,371.3	-73.2	2,372.0	0.00	0.00	0.00
15,300.0	90.00	179.58	12,764.0	-2,471.3	-72.5	2,472.0	0.00	0.00	0.00
15,400.0	90.00	179.58	12,764.0	-2,571.3	-71.8	2,572.0	0.00	0.00	0.00
15,500.0	90.00	179.58	12,764.0	-2,671.3	-71.0	2,672.0	0.00	0.00	0.00
15,600.0	90.00	179.58	12,764.0	-2,771.3	-70.3	2,771.9	0.00	0.00	0.00
15,700.0	90.00	179.58	12,764.0	-2,871.3	-69.6	2,871.9	0.00	0.00	0.00
15,800.0	90.00	179.58	12,764.0	-2,971.3	-68.8	2,971.9	0.00	0.00	0.00
15,900.0	90.00	179.58	12,764.0	-3,071.3	-68.1	3,071.9	0.00	0.00	0.00
16,000.0	90.00	179.58	12,764.0	-3,171.3	-67.4	3,171.9	0.00	0.00	0.00
16,100.0	90.00	179.58	12,764.0	-3,271.3	-66.7	3,271.9	0.00	0.00	0.00
16,200.0	90.00	179.58	12,764.0	-3,371.3	-65.9	3,371.8	0.00	0.00	0.00
16,300.0	90.00	179.58	12,764.0	-3,471.3	-65.2	3,471.8	0.00	0.00	0.00
16,400.0	90.00	179.58	12,764.0	-3,571.3	-64.5	3,571.8	0.00	0.00	0.00
16,500.0	90.00	179.58	12,764.0	-3,671.3	-63.7	3,671.8	0.00	0.00	0.00
16,600.0	90.00	179.58	12,764.0	-3,771.3	-63.0	3,771.8	0.00	0.00	0.00
16,700.0	90.00	179.58	12,764.0	-3,871.3	-62.3	3,871.8	0.00	0.00	0.00
16,800.0	90.00	179.58	12,764.0	-3,971.3	-61.6	3,971.7	0.00	0.00	0.00
16,900.0	90.00	179.58	12,764.0	-4,071.3	-60.8	4,071.7	0.00	0.00	0.00
17,000.0	90.00	179.58	12,764.0	-4,171.3	-60.1	4,171.7	0.00	0.00	0.00
17,100.0	90.00	179.58	12,764.0	-4,271.3	-59.4	4,271.7	0.00	0.00	0.00
17,200.0	90.00	179.58	12,764.0	-4,371.3	-58.6	4,371.7	0.00	0.00	0.00
17,300.0	90.00	179.58	12,764.0	-4,471.3	-57.9	4,471.6	0.00	0.00	0.00
17,400.0	90.00	179.58	12,764.0	-4,571.3	-57.2	4,571.6	0.00	0.00	0.00
17,500.0	90.00	179.58	12,764.0	-4,671.3	-56.4	4,671.6	0.00	0.00	0.00
17,600.0	90.00	179.58	12,764.0	-4,771.3	-55.7	4,771.6	0.00	0.00	0.00
17,698.7	90.00	179.58	12,764.0	-4,870.0	-55.0	4,870.3	0.00	0.00	0.00
PBHL(Savage 2 SC #741H)									



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #741H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3541.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3541.0usft
Site:	Savage 2 State Corn	North Reference:	Grid
Well:	#741H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

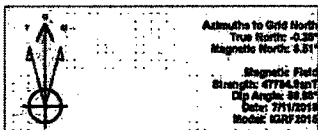
Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP(Savage 2 SC #741 - hit/miss target - Shape - Point	0.00	0.00	12,286.5	265.3	-92.5	425,035.28	751,816.54	32° 10' 0.017 N	103° 39' 11.218 W
FTP(Savage 2 SC #741H - plan hits target center by 163.2usft at 12693.9usft MD (12643.4 TVD, 104.9 N, -91.3 E) - Point	0.00	0.00	12,764.0	215.0	-92.0	424,985.00	751,817.00	32° 9' 59.520 N	103° 39' 11.216 W
PBHL(Savage 2 SC #74 - plan hits target center - Polygon	0.00	0.00	12,764.0	-4,870.0	-55.0	419,900.00	751,854.00	32° 9' 9.199 N	103° 39' 11.160 W
Point 1			12,764.0	5,180.1	-87.5	425,060.12	751,766.45		
Point 2			12,764.0	5,181.2	37.3	425,061.25	751,891.31		
Point 3			12,764.0	5,085.7	38.0	424,985.68	751,891.99		
Point 4			12,764.0	5,085.2	-7.0	424,985.22	751,847.00		
Point 5			12,764.0	0.4	30.0	419,900.38	751,883.99		
Point 6			12,764.0	-0.2	-30.0	419,899.78	751,824.00		
Point 7			12,764.0	5,180.1	-87.5	425,060.12	751,766.45		



Lea County, NM (NAD 83 NME)

Savage 2 State Com #741H

Plan #0.1



To convert a Magnetic Direction to a Grid Direction, Add 0.61°
To convert a Magnetic Direction to a True Direction, Add 0.27° East
To convert a True Direction to a Grid Direction, Subtract 0.38°

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: #741H

KB = 25 @ 3541.0usR
Northing: 484770.00
Easting: 761906.00
Latitude: 32° 5' 57.327" N
Longitude: 103° 39' 10.182" W

SECTION DETAILS

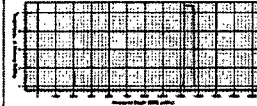
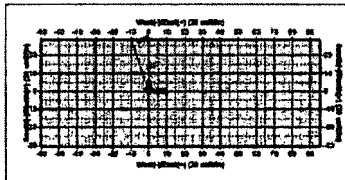
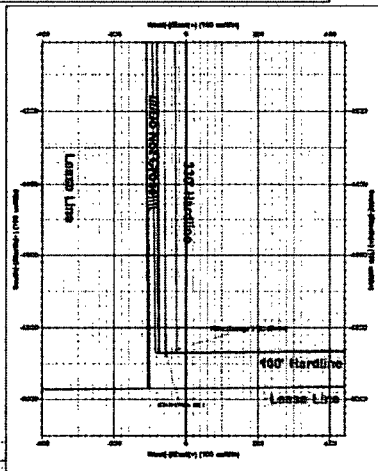
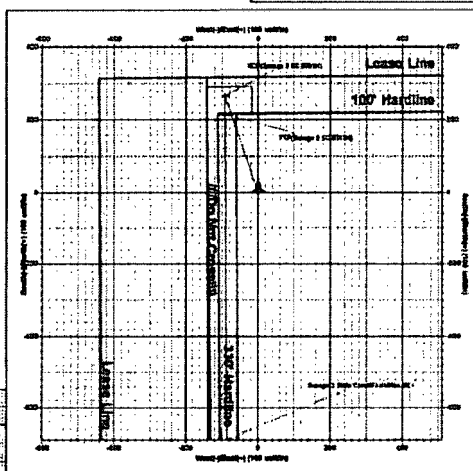
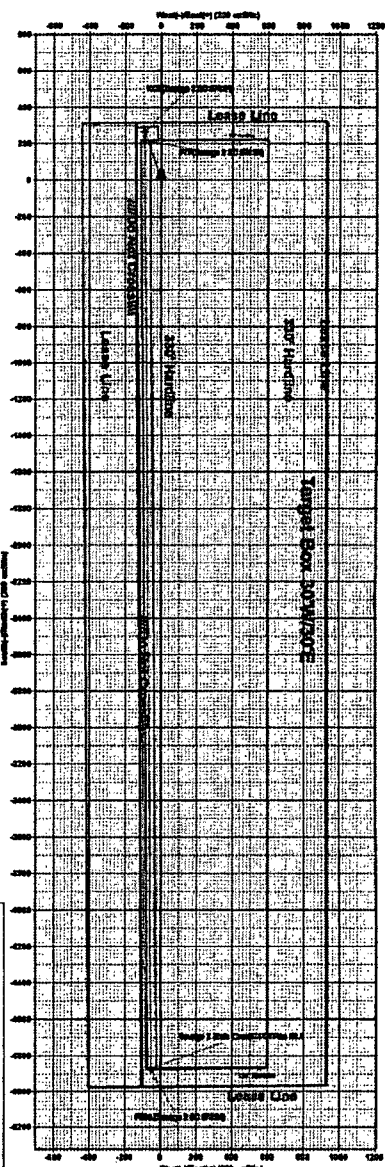
Sec	MD	Inc	Asl	TVD	+N/S	+E/W	Diag	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3007.5	1.75	340.70	3007.4	1.3	-0.4	2.00	340.79	-1.3	
4	12203.3	1.75	340.70	12199.1	254.0	-82.0	0.00	0.00	-263.0	
5	12290.8	0.00	0.00	12286.5	265.3	-82.5	2.00	180.00	-264.2	KOP(Savage 2 SC #741H)
6	13040.8	90.00	179.58	12764.0	-212.2	-89.0	12.00	179.58	213.2	
7	17698.7	90.00	179.58	12764.0	-4870.0	-55.0	0.00	0.00	4870.3	PBHL(Savage 2 SC #741H)

CASING DETAILS

No casing data is available

WELLBORE TAPPOINT DETAILS (MAP COORDINATES)

Name	TVD	+N/S	+E/W	Northing	Easting
KOP(Savage 2 SC #741H)	12286.5	254.0	-82.5	428238.28	761916.38
FTF(Savage 2 SC #741H)	12764.0	218.0	-82.0	428288.00	761917.00
PBHL(Savage 2 SC #741H)	1764.0	-4870.0	-55.0	418901.00	761904.00



Scale: 1 inch = 100 feet
North Arrow