



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Savage 2 State Com

#201H

OH

Plan: Plan #0.1

Standard Planning Report

11 July, 2018



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #201H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3538.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3538.0usft
Site:	Savage 2 State Com	North Reference:	Grid
Well:	#201H	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	#201H		
Well Position	+N-S	1.0 usft	Northing:
	+E-W	32.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	
		Latitude:	32° 8' 54.420 N
		Longitude:	103° 39' 10.556 W
		Ground Level:	3,513.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	7/11/2018	6.87
			Dip Angle
			(°)
			59.98
			Field Strength
			(nT)
			47,784.42393910

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
			(°)
			180.29

Plan Survey Tool Program	Date 7/11/2018		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.0	14,637.2 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	
3,273.9	5.48	353.90	3,273.5	13.0	-1.4	2.00	2.00	0.00	353.90	
8,955.4	5.48	353.90	8,929.0	552.3	-59.1	0.00	0.00	0.00	0.00	
9,229.3	0.00	0.00	9,202.5	565.3	-60.5	2.00	-2.00	0.00	180.00	KOP(Savage 2 SC #2
9,979.3	90.00	179.58	9,680.0	87.8	-57.0	12.00	12.00	23.94	179.58	
14,637.2	90.00	179.58	9,680.0	-4,570.0	-23.0	0.00	0.00	0.00	0.00	PBHL(Savage 2 SC #

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #201H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3538.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3538.0usft
Site:	Savage 2 State Com	North Reference:	Grid
Well:	#201H	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)	Bull's 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	2.00	353.90	3,100.0	1.7	-0.2	-1.7	2.00	2.00	0.00
3,200.0	4.00	353.90	3,199.8	6.9	-0.7	-6.9	2.00	2.00	0.00
3,273.9	5.48	353.90	3,273.5	13.0	-1.4	-13.0	2.00	2.00	0.00
3,300.0	5.48	353.90	3,299.5	15.5	-1.7	-15.5	0.00	0.00	0.00
3,400.0	5.48	353.90	3,399.0	25.0	-2.7	-25.0	0.00	0.00	0.00
3,500.0	5.48	353.90	3,498.6	34.5	-3.7	-34.5	0.00	0.00	0.00
3,600.0	5.48	353.90	3,598.1	44.0	-4.7	-43.9	0.00	0.00	0.00
3,700.0	5.48	353.90	3,697.6	53.5	-5.7	-53.4	0.00	0.00	0.00
3,800.0	5.48	353.90	3,797.2	62.9	-6.7	-62.9	0.00	0.00	0.00
3,900.0	5.48	353.90	3,896.7	72.4	-7.7	-72.4	0.00	0.00	0.00
4,000.0	5.48	353.90	3,996.3	81.9	-8.8	-81.9	0.00	0.00	0.00
4,100.0	5.48	353.90	4,095.8	91.4	-8.8	-91.4	0.00	0.00	0.00
4,200.0	5.48	353.90	4,195.4	100.9	-10.8	-100.9	0.00	0.00	0.00
4,300.0	5.48	353.90	4,294.9	110.4	-11.8	-110.3	0.00	0.00	0.00
4,400.0	5.48	353.90	4,394.4	119.9	-12.8	-119.8	0.00	0.00	0.00
4,500.0	5.48	353.90	4,494.0	129.4	-13.8	-129.3	0.00	0.00	0.00
4,600.0	5.48	353.90	4,593.5	138.9	-14.9	-138.8	0.00	0.00	0.00
4,700.0	5.48	353.90	4,693.1	148.4	-15.9	-148.3	0.00	0.00	0.00
4,800.0	5.48	353.90	4,792.6	157.9	-16.9	-157.8	0.00	0.00	0.00
4,900.0	5.48	353.90	4,892.2	167.4	-17.9	-167.3	0.00	0.00	0.00
5,000.0	5.48	353.90	4,991.7	176.8	-18.9	-176.7	0.00	0.00	0.00
5,100.0	5.48	353.90	5,091.2	186.3	-19.9	-186.2	0.00	0.00	0.00
5,200.0	5.48	353.90	5,190.8	195.8	-20.9	-195.7	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #201H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3538.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3538.0usft
Site:	Savage 2 State Com	North Reference:	Grid
Well:	#201H	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	5.48	353.90	5,290.3	205.3	-22.0	-205.2	0.00	0.00	0.00
5,400.0	5.48	353.90	5,389.9	214.8	-23.0	-214.7	0.00	0.00	0.00
5,500.0	5.48	353.90	5,489.4	224.3	-24.0	-224.2	0.00	0.00	0.00
5,600.0	5.48	353.90	5,589.0	233.8	-25.0	-233.7	0.00	0.00	0.00
5,700.0	5.48	353.90	5,688.5	243.3	-26.0	-243.2	0.00	0.00	0.00
5,800.0	5.48	353.90	5,788.0	252.8	-27.0	-252.6	0.00	0.00	0.00
5,900.0	5.48	353.90	5,887.6	262.3	-28.0	-262.1	0.00	0.00	0.00
6,000.0	5.48	353.90	5,987.1	271.8	-29.1	-271.6	0.00	0.00	0.00
6,100.0	5.48	353.90	6,086.7	281.3	-30.1	-281.1	0.00	0.00	0.00
6,200.0	5.48	353.90	6,186.2	290.7	-31.1	-290.6	0.00	0.00	0.00
6,300.0	5.48	353.90	6,285.8	300.2	-32.1	-300.1	0.00	0.00	0.00
6,400.0	5.48	353.90	6,385.3	309.7	-33.1	-309.6	0.00	0.00	0.00
6,500.0	5.48	353.90	6,484.9	319.2	-34.1	-319.0	0.00	0.00	0.00
6,600.0	5.48	353.90	6,584.4	328.7	-35.2	-328.5	0.00	0.00	0.00
6,700.0	5.48	353.90	6,683.9	338.2	-36.2	-338.0	0.00	0.00	0.00
6,800.0	5.48	353.90	6,783.5	347.7	-37.2	-347.5	0.00	0.00	0.00
6,900.0	5.48	353.90	6,883.0	357.2	-38.2	-357.0	0.00	0.00	0.00
7,000.0	5.48	353.90	6,982.6	366.7	-39.2	-366.5	0.00	0.00	0.00
7,100.0	5.48	353.90	7,082.1	376.2	-40.2	-376.0	0.00	0.00	0.00
7,200.0	5.48	353.90	7,181.7	385.7	-41.2	-385.4	0.00	0.00	0.00
7,300.0	5.48	353.90	7,281.2	395.2	-42.3	-394.9	0.00	0.00	0.00
7,400.0	5.48	353.90	7,380.7	404.6	-43.3	-404.4	0.00	0.00	0.00
7,500.0	5.48	353.90	7,480.3	414.1	-44.3	-413.9	0.00	0.00	0.00
7,600.0	5.48	353.90	7,579.8	423.6	-45.3	-423.4	0.00	0.00	0.00
7,700.0	5.48	353.90	7,679.4	433.1	-46.3	-432.9	0.00	0.00	0.00
7,800.0	5.48	353.90	7,778.9	442.6	-47.3	-442.4	0.00	0.00	0.00
7,900.0	5.48	353.90	7,878.5	452.1	-48.4	-451.9	0.00	0.00	0.00
8,000.0	5.48	353.90	7,978.0	461.6	-49.4	-461.3	0.00	0.00	0.00
8,100.0	5.48	353.90	8,077.5	471.1	-50.4	-470.8	0.00	0.00	0.00
8,200.0	5.48	353.90	8,177.1	480.6	-51.4	-480.3	0.00	0.00	0.00
8,300.0	5.48	353.90	8,276.6	490.1	-52.4	-489.8	0.00	0.00	0.00
8,400.0	5.48	353.90	8,376.2	499.6	-53.4	-499.3	0.00	0.00	0.00
8,500.0	5.48	353.90	8,475.7	509.1	-54.4	-508.8	0.00	0.00	0.00
8,600.0	5.48	353.90	8,575.3	518.5	-55.5	-518.3	0.00	0.00	0.00
8,700.0	5.48	353.90	8,674.8	528.0	-56.5	-527.7	0.00	0.00	0.00
8,800.0	5.48	353.90	8,774.3	537.5	-57.5	-537.2	0.00	0.00	0.00
8,900.0	5.48	353.90	8,873.9	547.0	-58.5	-546.7	0.00	0.00	0.00
8,955.4	5.48	353.90	8,929.0	552.3	-59.1	-552.0	0.00	0.00	0.00
9,000.0	4.59	353.90	8,973.5	556.2	-59.5	-555.9	2.00	-2.00	0.00
9,100.0	2.59	353.90	9,073.3	562.4	-60.1	-562.1	2.00	-2.00	0.00
9,200.0	0.59	353.90	9,173.2	565.1	-60.4	-564.8	2.00	-2.00	0.00
9,229.3	0.00	0.00	9,202.5	565.3	-60.5	-565.0	2.00	-2.00	0.00
KOP(Savage 2 SC #201H)									
9,250.0	2.49	179.58	9,223.2	564.8	-60.5	-564.5	12.00	12.00	0.00
9,275.0	5.49	179.58	9,248.2	563.1	-60.4	-562.8	12.00	12.00	0.00
9,300.0	8.49	179.58	9,273.0	560.1	-60.4	-559.7	12.00	12.00	0.00
9,325.0	11.49	179.58	9,297.6	555.7	-60.4	-555.4	12.00	12.00	0.00
9,350.0	14.49	179.58	9,321.9	550.1	-60.3	-549.8	12.00	12.00	0.00
9,375.0	17.49	179.58	9,346.0	543.2	-60.3	-542.9	12.00	12.00	0.00
9,400.0	20.49	179.58	9,369.8	535.1	-60.2	-534.8	12.00	12.00	0.00
9,425.0	23.49	179.58	9,382.8	525.7	-60.2	-525.4	12.00	12.00	0.00
9,450.0	26.49	179.58	9,415.4	515.2	-60.1	-514.9	12.00	12.00	0.00
9,475.0	29.49	179.58	9,437.5	503.4	-60.0	-503.1	12.00	12.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #201H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3538.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3538.0usft
Site:	Savage 2 State Com	North Reference:	Grid
Well:	#201H	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)	Built Rate (°/100usft)	Turn Rate (°/100usft)
9,500.0	32.49	179.58	9,458.9	490.6	-59.9	-490.3	12.00	12.00	0.00
9,525.0	35.49	179.58	9,479.7	476.6	-58.8	-476.3	12.00	12.00	0.00
9,550.0	38.49	179.58	9,499.6	461.6	-59.7	-461.3	12.00	12.00	0.00
9,575.0	41.49	179.58	9,518.8	445.5	-59.6	-445.2	12.00	12.00	0.00
9,600.0	44.49	179.58	9,537.1	428.5	-59.5	-428.1	12.00	12.00	0.00
9,625.0	47.49	179.58	9,554.4	410.5	-59.3	-410.2	12.00	12.00	0.00
9,627.8	47.82	179.58	9,556.3	408.4	-59.3	-408.1	12.00	12.00	0.00
FTP(Savage 2 SC #201H)									
9,650.0	50.49	179.58	9,570.9	391.6	-59.2	-391.3	12.00	12.00	0.00
9,675.0	53.49	179.58	9,586.2	371.9	-59.0	-371.6	12.00	12.00	0.00
9,700.0	56.49	179.58	9,600.6	351.4	-58.9	-351.1	12.00	12.00	0.00
9,725.0	59.49	179.58	9,613.8	330.3	-58.7	-330.0	12.00	12.00	0.00
9,750.0	62.49	179.58	9,626.0	308.4	-58.6	-308.1	12.00	12.00	0.00
9,775.0	65.49	179.58	9,636.9	285.9	-58.4	-285.6	12.00	12.00	0.00
9,800.0	68.49	179.58	9,646.7	262.9	-58.2	-262.6	12.00	12.00	0.00
9,825.0	71.49	179.58	9,655.3	239.4	-58.1	-239.1	12.00	12.00	0.00
9,850.0	74.49	179.58	9,662.6	215.5	-57.9	-215.2	12.00	12.00	0.00
9,875.0	77.49	179.58	9,668.6	191.3	-57.7	-191.0	12.00	12.00	0.00
9,900.0	80.49	179.58	9,673.4	166.7	-57.5	-166.6	12.00	12.00	0.00
9,925.0	83.49	179.58	9,678.9	142.0	-57.4	-141.7	12.00	12.00	0.00
9,950.0	86.49	179.58	9,679.1	117.1	-57.2	-116.8	12.00	12.00	0.00
9,975.0	89.49	179.58	9,679.9	92.1	-57.0	-91.8	12.00	12.00	0.00
9,979.3	90.00	179.58	9,680.0	87.8	-57.0	-87.5	12.00	12.00	0.00
10,000.0	90.00	179.58	9,680.0	67.1	-56.8	-66.8	0.00	0.00	0.00
10,100.0	90.00	179.58	9,680.0	-32.9	-56.1	33.2	0.00	0.00	0.00
10,200.0	90.00	179.58	9,680.0	-132.9	-55.4	133.2	0.00	0.00	0.00
10,300.0	90.00	179.58	9,680.0	-232.9	-54.6	233.2	0.00	0.00	0.00
10,400.0	90.00	179.58	9,680.0	-332.9	-53.9	333.1	0.00	0.00	0.00
10,500.0	90.00	179.58	9,680.0	-432.9	-53.2	433.1	0.00	0.00	0.00
10,600.0	90.00	179.58	9,680.0	-532.9	-52.4	533.1	0.00	0.00	0.00
10,700.0	90.00	179.58	9,680.0	-632.9	-51.7	633.1	0.00	0.00	0.00
10,800.0	90.00	179.58	9,680.0	-732.9	-51.0	733.1	0.00	0.00	0.00
10,900.0	90.00	179.58	9,680.0	-832.9	-50.3	833.1	0.00	0.00	0.00
11,000.0	90.00	179.58	9,680.0	-932.9	-49.5	933.1	0.00	0.00	0.00
11,100.0	90.00	179.58	9,680.0	-1,032.9	-48.8	1,033.1	0.00	0.00	0.00
11,200.0	90.00	179.58	9,680.0	-1,132.9	-48.1	1,133.1	0.00	0.00	0.00
11,300.0	90.00	179.58	9,680.0	-1,232.9	-47.3	1,233.1	0.00	0.00	0.00
11,400.0	90.00	179.58	9,680.0	-1,332.9	-46.6	1,333.1	0.00	0.00	0.00
11,500.0	90.00	179.58	9,680.0	-1,432.8	-45.9	1,433.1	0.00	0.00	0.00
11,600.0	90.00	179.58	9,680.0	-1,532.8	-45.2	1,533.1	0.00	0.00	0.00
11,700.0	90.00	179.58	9,680.0	-1,632.8	-44.4	1,633.0	0.00	0.00	0.00
11,800.0	90.00	179.58	9,680.0	-1,732.8	-43.7	1,733.0	0.00	0.00	0.00
11,900.0	90.00	179.58	9,680.0	-1,832.8	-43.0	1,833.0	0.00	0.00	0.00
12,000.0	90.00	179.58	9,680.0	-1,932.8	-42.2	1,933.0	0.00	0.00	0.00
12,100.0	90.00	179.58	9,680.0	-2,032.8	-41.5	2,033.0	0.00	0.00	0.00
12,200.0	90.00	179.58	9,680.0	-2,132.8	-40.8	2,133.0	0.00	0.00	0.00
12,300.0	90.00	179.58	9,680.0	-2,232.8	-40.0	2,233.0	0.00	0.00	0.00
12,400.0	90.00	179.58	9,680.0	-2,332.8	-39.3	2,333.0	0.00	0.00	0.00
12,500.0	90.00	179.58	9,680.0	-2,432.8	-38.6	2,433.0	0.00	0.00	0.00
12,600.0	90.00	179.58	9,680.0	-2,532.8	-37.9	2,533.0	0.00	0.00	0.00
12,700.0	90.00	179.58	9,680.0	-2,632.8	-37.1	2,633.0	0.00	0.00	0.00
12,800.0	90.00	179.58	9,680.0	-2,732.8	-36.4	2,733.0	0.00	0.00	0.00
12,900.0	90.00	179.58	9,680.0	-2,832.8	-35.7	2,833.0	0.00	0.00	0.00
13,000.0	90.00	179.58	9,680.0	-2,932.8	-34.9	2,932.9	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #201H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3538.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3538.0usft
Site:	Savage 2 State Com	North Reference:	Grid
Well:	#201H	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)	
13,100.0	90.00	179.58	9,680.0	-3,032.8	-34.2	3,032.9	0.00	0.00	0.00	
13,200.0	90.00	179.58	9,680.0	-3,132.8	-33.5	3,132.9	0.00	0.00	0.00	
13,300.0	90.00	179.58	9,680.0	-3,232.8	-32.8	3,232.9	0.00	0.00	0.00	
13,400.0	90.00	179.58	9,680.0	-3,332.8	-32.0	3,332.9	0.00	0.00	0.00	
13,500.0	90.00	179.58	9,680.0	-3,432.8	-31.3	3,432.9	0.00	0.00	0.00	
13,600.0	90.00	179.58	9,680.0	-3,532.8	-30.6	3,532.9	0.00	0.00	0.00	
13,700.0	90.00	179.58	9,680.0	-3,632.8	-29.8	3,632.9	0.00	0.00	0.00	
13,800.0	90.00	179.58	9,680.0	-3,732.8	-29.1	3,732.9	0.00	0.00	0.00	
13,900.0	90.00	179.58	9,680.0	-3,832.8	-28.4	3,832.9	0.00	0.00	0.00	
14,000.0	90.00	179.58	9,680.0	-3,932.8	-27.6	3,932.9	0.00	0.00	0.00	
14,100.0	90.00	179.58	9,680.0	-4,032.8	-26.9	4,032.9	0.00	0.00	0.00	
14,200.0	90.00	179.58	9,680.0	-4,132.8	-26.2	4,132.9	0.00	0.00	0.00	
14,300.0	90.00	179.58	9,680.0	-4,232.8	-25.5	4,232.8	0.00	0.00	0.00	
14,400.0	90.00	179.58	9,680.0	-4,332.8	-24.7	4,332.8	0.00	0.00	0.00	
14,500.0	90.00	179.58	9,680.0	-4,432.8	-24.0	4,432.8	0.00	0.00	0.00	
14,600.0	90.00	179.58	9,680.0	-4,532.8	-23.3	4,532.8	0.00	0.00	0.00	
14,637.2	90.00	179.58	9,680.0	-4,570.0	-23.0	4,570.1	0.00	0.00	0.00	
PBHL(Savage 2 SC #201H)										

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 #201 - hit/miss target - Shape - Point	0.00	0.00	9,202.5	565.3	-60.5	425,035.28	751,816.54	32° 10' 0.017 N		103° 39' 11.218 W
FTP(Savage 2 SC #201H - plan misses target center by 183.9usft at 9627.8usft MD (9556.3 TVD, 408.4 N, -59.3 E) - Point	0.00	0.00	9,680.0	516.0	-60.0	424,986.00	751,817.00	32° 9' 59.530 N		103° 39' 11.218 W
PBHL(Savage 2 SC #20 - plan hits target center - Polygon	0.00	0.00	9,680.0	-4,570.0	-23.0	419,900.00	751,854.00	32° 9' 9.199 N		103° 39' 11.160 W
Point 1			9,680.0	5,160.1	-87.5	425,060.10	751,766.50			
Point 2			9,680.0	5,161.2	37.3	425,061.20	751,891.30			
Point 3			9,680.0	5,085.7	38.0	424,985.70	751,892.00			
Point 4			9,680.0	5,085.2	-7.0	424,985.20	751,847.00			
Point 5			9,680.0	0.4	30.0	419,900.40	751,884.00			
Point 6			9,680.0	-0.2	-30.0	419,899.80	751,824.00			
Point 7			9,680.0	5,160.1	-87.5	425,060.10	751,766.50			



Lea County, NM (NAD 83 NME)

Savage 2 State Com #201H

Plan #0.1

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

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

WELL DETAILS: #201H

KB = 28 @ 3538.0usft
Northing: 43470.00
Easting: 781877.00
Latitude: 32° 1' 54.430 N
Longitude: 103° 29' 10.588 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dlog	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	3273.8	8.48	353.90	3273.5	13.0	-1.4	2.00	353.90	-13.0	
4	8955.4	5.48	353.90	8929.0	632.3	-69.1	0.00	0.00	-652.0	
5	9229.3	0.00	0.00	9202.5	985.3	-80.5	2.00	190.00	-865.0	KOP(Savage 2 SC #201H)
6	9679.3	90.00	179.58	9680.0	87.8	-57.0	12.00	179.58	-87.0	
7	14637.2	90.00	179.58	9680.0	-4570.0	-23.0	0.00	0.00	4570.1	PBHL(Savage 2 SC #201H)

CASING DETAILS

No casing data is available

WELLBORE TANGENT DETAILS (NAD 83-COORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
KOP(Savage 2 SC #201H)	9202.5	985.3	-80.5	439025.25	781878.26
PTW(Savage 2 SC #201H)	9680.0	87.8	-57.0	439025.25	781877.00
PBHL(Savage 2 SC #201H)	9680.0	-4570.0	-23.0	418900.00	781854.00

