

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) 748-0720
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

HOBBS OGD

MAR 10 2015

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-42120	² Pool Code 96682	³ Pool Name Triste Draw; Bone Spring, East
⁴ Property Code 313638	⁵ Property Name HEARNS 27 STATE COM	⁶ Well Number #503H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3488'

¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	27	24-S	33-E	-	300'	SOUTH	2090'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	34	24-S	33-E	-	230'	SOUTH	1140'	WEST	LEA

¹² Dedicated Acres 160.00	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.

	¹⁷OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Stan Wagner</i> 3/9/15 Signature Date Stan Wagner Printed Name E-mail Address													
	¹⁸SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief. 02/04/2015 Date of Survey <i>Michael Brown</i> Signature of Professional Surveyor 18329 Professional Surveyor Certificate Number													
	POINT UTM ZONE 13 COORDINATES <table border="1"> <tr> <td>SHL</td> <td>X=2085192.728</td> <td>Y=11684801.669</td> </tr> <tr> <td>UMP</td> <td>X=2084251.478</td> <td>Y=11684159.163</td> </tr> <tr> <td>LWP</td> <td>X=2284314.000</td> <td>Y=11679545.539</td> </tr> <tr> <td>BHL</td> <td>X=2084315.354</td> <td>Y=11679445.558</td> </tr> </table>		SHL	X=2085192.728	Y=11684801.669	UMP	X=2084251.478	Y=11684159.163	LWP	X=2284314.000	Y=11679545.539	BHL	X=2084315.354	Y=11679445.558
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34 35														

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EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Hearn's 27 State Com
 Well: #503H
 Wellbore: OH
 Design: Plan #6

Local Co-ordinate Reference: Well #503H
 TVD Reference: KB = 30 @ 3518.0usft (Catus 123)
 MD Reference: KB = 30 @ 3518.0usft (Catus 123)
 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
1,350.0	0.00	0.00	1,350.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.50	270.00	1,400.0	0.0	-0.2	0.0	1.00	1.00	0.00
1,500.0	1.50	270.00	1,500.0	0.0	-2.0	0.3	1.00	1.00	0.00
1,600.0	2.50	270.00	1,599.9	0.0	-5.5	0.9	1.00	1.00	0.00
1,650.0	3.00	270.00	1,649.9	0.0	-7.9	1.3	1.00	1.00	0.00
1,700.0	3.00	270.00	1,699.8	0.0	-10.5	1.8	0.00	0.00	0.00
1,800.0	3.00	270.00	1,799.7	0.0	-15.7	2.6	0.00	0.00	0.00
1,900.0	3.00	270.00	1,899.5	0.0	-20.9	3.5	0.00	0.00	0.00
2,000.0	3.00	270.00	1,999.4	0.0	-26.2	4.4	0.00	0.00	0.00
2,100.0	3.00	270.00	2,099.2	0.0	-31.4	5.3	0.00	0.00	0.00
2,200.0	3.00	270.00	2,199.1	0.0	-36.6	6.1	0.00	0.00	0.00
2,300.0	3.00	270.00	2,299.0	0.0	-41.9	7.0	0.00	0.00	0.00
2,400.0	3.00	270.00	2,398.8	0.0	-47.1	7.9	0.00	0.00	0.00
2,500.0	3.00	270.00	2,498.7	0.0	-52.3	8.8	0.00	0.00	0.00
2,600.0	3.00	270.00	2,598.6	0.0	-57.6	9.7	0.00	0.00	0.00
2,700.0	3.00	270.00	2,698.4	0.0	-62.8	10.5	0.00	0.00	0.00
2,800.0	3.00	270.00	2,798.3	0.0	-68.0	11.4	0.00	0.00	0.00
2,900.0	3.00	270.00	2,898.1	0.0	-73.3	12.3	0.00	0.00	0.00
3,000.0	3.00	270.00	2,998.0	0.0	-78.5	13.2	0.00	0.00	0.00
3,100.0	3.00	270.00	3,097.9	0.0	-83.7	14.1	0.00	0.00	0.00
3,200.0	3.00	270.00	3,197.7	0.0	-89.0	14.9	0.00	0.00	0.00
3,300.0	3.00	270.00	3,297.6	0.0	-94.2	15.8	0.00	0.00	0.00
3,400.0	3.00	270.00	3,397.5	0.0	-99.4	16.7	0.00	0.00	0.00
3,500.0	3.00	270.00	3,497.3	0.0	-104.7	17.6	0.00	0.00	0.00
3,600.0	3.00	270.00	3,597.2	0.0	-109.9	18.4	0.00	0.00	0.00
3,700.0	3.00	270.00	3,697.1	0.0	-115.1	19.3	0.00	0.00	0.00
3,800.0	3.00	270.00	3,796.9	0.0	-120.4	20.2	0.00	0.00	0.00
3,900.0	3.00	270.00	3,896.8	0.0	-125.6	21.1	0.00	0.00	0.00
4,000.0	3.00	270.00	3,996.6	0.0	-130.8	22.0	0.00	0.00	0.00
4,100.0	3.00	270.00	4,096.5	0.0	-136.1	22.8	0.00	0.00	0.00
4,200.0	3.00	270.00	4,196.4	0.0	-141.3	23.7	0.00	0.00	0.00
4,300.0	3.00	270.00	4,296.2	0.0	-146.5	24.6	0.00	0.00	0.00
4,400.0	3.00	270.00	4,396.1	0.0	-151.8	25.5	0.00	0.00	0.00
4,500.0	3.00	270.00	4,496.0	0.0	-157.0	26.4	0.00	0.00	0.00
4,600.0	3.00	270.00	4,595.8	0.0	-162.2	27.2	0.00	0.00	0.00
4,700.0	3.00	270.00	4,695.7	0.0	-167.5	28.1	0.00	0.00	0.00
4,800.0	3.00	270.00	4,795.5	0.0	-172.7	29.0	0.00	0.00	0.00
4,900.0	3.00	270.00	4,895.4	0.0	-177.9	29.9	0.00	0.00	0.00
5,000.0	3.00	270.00	4,995.3	0.0	-183.2	30.7	0.00	0.00	0.00
5,100.0	3.00	270.00	5,095.1	0.0	-188.4	31.6	0.00	0.00	0.00



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 Site: Hearn 27 State Corn
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 Wellbore: OH
 Design: Plan #6

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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)
5,175.0	3.00	270.00	5,170.0	0.0	-192.3	32.3	0.00	0.00	0.00
5,200.0	3.25	270.00	5,195.0	0.0	-193.7	32.5	1.00	1.00	0.00
5,300.0	4.25	270.00	5,294.8	0.0	-200.2	33.6	1.00	1.00	0.00
5,375.0	5.00	270.00	5,369.5	0.0	-206.3	34.6	1.00	1.00	0.00
5,400.0	5.00	270.00	5,394.4	0.0	-208.5	35.0	0.00	0.00	0.00
5,500.0	5.00	270.00	5,494.1	0.0	-217.2	36.5	0.00	0.00	0.00
5,600.0	5.00	270.00	5,593.7	0.0	-225.9	37.9	0.00	0.00	0.00
5,700.0	5.00	270.00	5,693.3	0.0	-234.6	39.4	0.00	0.00	0.00
5,800.0	5.00	270.00	5,792.9	0.0	-243.3	40.8	0.00	0.00	0.00
5,900.0	5.00	270.00	5,892.5	0.0	-252.0	42.3	0.00	0.00	0.00
6,000.0	5.00	270.00	5,992.2	0.0	-260.8	43.8	0.00	0.00	0.00
6,100.0	5.00	270.00	6,091.8	0.0	-269.5	45.2	0.00	0.00	0.00
6,200.0	5.00	270.00	6,191.4	0.0	-278.2	46.7	0.00	0.00	0.00
6,300.0	5.00	270.00	6,291.0	0.0	-286.9	48.2	0.00	0.00	0.00
6,400.0	5.00	270.00	6,390.6	0.0	-295.6	49.6	0.00	0.00	0.00
6,500.0	5.00	270.00	6,490.3	0.0	-304.3	51.1	0.00	0.00	0.00
6,600.0	5.00	270.00	6,589.9	0.0	-313.1	52.5	0.00	0.00	0.00
6,700.0	5.00	270.00	6,689.5	0.0	-321.8	54.0	0.00	0.00	0.00
6,800.0	5.00	270.00	6,789.1	0.0	-330.5	55.5	0.00	0.00	0.00
6,900.0	5.00	270.00	6,888.7	0.0	-339.2	56.9	0.00	0.00	0.00
7,000.0	5.00	270.00	6,988.4	0.0	-347.9	58.4	0.00	0.00	0.00
7,100.0	5.00	270.00	7,088.0	0.0	-356.6	59.9	0.00	0.00	0.00
7,200.0	5.00	270.00	7,187.6	0.0	-365.3	61.3	0.00	0.00	0.00
7,300.0	5.00	270.00	7,287.2	0.0	-374.1	62.8	0.00	0.00	0.00
7,400.0	5.00	270.00	7,386.8	0.0	-382.8	64.2	0.00	0.00	0.00
7,500.0	5.00	270.00	7,486.4	0.0	-391.5	65.7	0.00	0.00	0.00
7,600.0	5.00	270.00	7,586.1	0.0	-400.2	67.2	0.00	0.00	0.00
7,700.0	5.00	270.00	7,685.7	0.0	-408.9	68.6	0.00	0.00	0.00
7,800.0	5.00	270.00	7,785.3	0.0	-417.6	70.1	0.00	0.00	0.00
7,900.0	5.00	270.00	7,884.9	0.0	-426.4	71.6	0.00	0.00	0.00
8,000.0	5.00	270.00	7,984.5	0.0	-435.1	73.0	0.00	0.00	0.00
8,100.0	5.00	270.00	8,084.2	0.0	-443.8	74.5	0.00	0.00	0.00
8,200.0	5.00	270.00	8,183.8	0.0	-452.5	75.9	0.00	0.00	0.00
8,300.0	5.00	270.00	8,283.4	0.0	-461.2	77.4	0.00	0.00	0.00
8,400.0	5.00	270.00	8,383.0	0.0	-469.9	78.9	0.00	0.00	0.00
8,500.0	5.00	270.00	8,482.6	0.0	-478.6	80.3	0.00	0.00	0.00
8,600.0	5.00	270.00	8,582.3	0.0	-487.4	81.8	0.00	0.00	0.00
8,700.0	5.00	270.00	8,681.9	0.0	-496.1	83.3	0.00	0.00	0.00
8,800.0	5.00	270.00	8,781.5	0.0	-504.8	84.7	0.00	0.00	0.00
8,900.0	5.00	270.00	8,881.1	0.0	-513.5	86.2	0.00	0.00	0.00
9,000.0	5.00	270.00	8,980.7	0.0	-522.2	87.6	0.00	0.00	0.00
9,100.0	5.00	270.00	9,080.4	0.0	-530.9	89.1	0.00	0.00	0.00
9,200.0	5.00	270.00	9,180.0	0.0	-539.7	90.6	0.00	0.00	0.00
9,300.0	5.00	270.00	9,279.6	0.0	-548.4	92.0	0.00	0.00	0.00
9,400.0	5.00	270.00	9,379.2	0.0	-557.1	93.5	0.00	0.00	0.00
9,500.0	5.00	270.00	9,478.8	0.0	-565.8	95.0	0.00	0.00	0.00
9,600.0	5.00	270.00	9,578.5	0.0	-574.5	96.4	0.00	0.00	0.00
9,700.0	5.00	270.00	9,678.1	0.0	-583.2	97.9	0.00	0.00	0.00
9,800.0	5.00	270.00	9,777.7	0.0	-592.0	99.3	0.00	0.00	0.00
9,900.0	5.00	270.00	9,877.3	0.0	-600.7	100.8	0.00	0.00	0.00
10,000.0	5.00	270.00	9,976.9	0.0	-609.4	102.3	0.00	0.00	0.00
10,100.0	5.00	270.00	10,076.6	0.0	-618.1	103.7	0.00	0.00	0.00
10,200.0	5.00	270.00	10,176.2	0.0	-626.8	105.2	0.00	0.00	0.00
10,300.0	5.00	270.00	10,275.8	0.0	-635.5	106.7	0.00	0.00	0.00



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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)
10,400.0	5.00	270.00	10,375.4	0.0	-644.2	108.1	0.00	0.00	0.00
10,500.0	5.00	270.00	10,475.0	0.0	-653.0	109.6	0.00	0.00	0.00
10,554.5	5.00	270.00	10,529.3	0.0	-657.7	110.4	0.00	0.00	0.00
10,600.0	7.65	235.13	10,574.6	-1.7	-662.2	112.8	10.00	5.83	-76.59
10,650.0	11.96	219.82	10,623.8	-7.6	-668.2	119.7	10.00	8.62	-30.81
10,700.0	16.66	212.78	10,672.3	-17.6	-675.4	130.7	10.00	9.39	-14.09
10,750.0	21.49	208.80	10,719.5	-31.7	-683.7	146.0	10.00	9.66	-7.96
10,800.0	26.38	206.24	10,765.2	-49.7	-693.1	165.3	10.00	9.78	-5.13
10,850.0	31.30	204.43	10,809.0	-71.5	-703.4	188.5	10.00	9.85	-3.62
10,900.0	36.25	203.07	10,850.5	-96.9	-714.5	215.5	10.00	9.89	-2.72
10,950.0	41.20	202.00	10,889.5	-125.8	-726.5	246.0	10.00	9.91	-2.14
11,000.0	46.16	201.12	10,925.7	-157.9	-739.2	279.7	10.00	9.93	-1.76
11,050.0	51.13	200.37	10,958.7	-193.0	-752.4	316.6	10.00	9.94	-1.49
11,100.0	56.11	199.73	10,988.3	-230.8	-766.2	356.2	10.00	9.95	-1.29
11,150.0	61.08	199.15	11,014.4	-271.1	-780.4	398.2	10.00	9.95	-1.15
11,200.0	66.06	198.63	11,036.6	-313.4	-794.9	442.4	10.00	9.96	-1.04
11,250.0	71.04	198.15	11,054.9	-357.6	-809.6	488.4	10.00	9.96	-0.97
11,300.0	76.02	197.69	11,069.1	-403.2	-824.3	535.8	10.00	9.96	-0.91
11,350.0	81.00	197.26	11,079.0	-449.9	-839.0	584.3	10.00	9.96	-0.87
11,400.0	85.98	196.83	11,084.7	-497.4	-853.6	633.6	10.00	9.96	-0.85
11,434.4	89.41	196.55	11,086.1	-530.3	-863.5	667.7	10.00	9.96	-0.84
11,500.0	89.41	194.58	11,086.8	-593.5	-881.1	732.9	3.00	0.00	-3.00
11,556.1	89.41	192.90	11,087.3	-648.0	-894.4	788.9	3.00	0.00	-3.00
FTP(Hearn 27 State #503H)									
11,558.5	89.41	192.82	11,087.4	-650.3	-894.9	791.3	3.00	0.00	-3.00
FTP(Hearn 27 State #503H)test									
11,600.0	89.40	191.58	11,087.8	-690.9	-903.7	832.7	3.00	0.00	-3.00
11,700.0	89.40	188.58	11,088.8	-789.3	-921.2	932.7	3.00	0.00	-3.00
11,800.0	89.40	185.58	11,089.9	-888.5	-933.5	1,032.6	3.00	0.00	-3.00
11,900.0	89.41	182.58	11,090.9	-988.3	-940.6	1,132.1	3.00	0.00	-3.00
12,000.0	89.41	179.58	11,092.0	-1,088.2	-942.5	1,231.0	3.00	0.00	-3.00
12,100.0	89.41	179.58	11,093.0	-1,188.2	-941.8	1,329.4	0.00	0.00	0.00
12,200.0	89.41	179.58	11,094.0	-1,288.2	-941.0	1,427.9	0.00	0.00	0.00
12,300.0	89.41	179.58	11,095.0	-1,388.2	-940.3	1,526.3	0.00	0.00	0.00
12,400.0	89.41	179.58	11,096.1	-1,488.2	-939.5	1,624.8	0.00	0.00	0.00
12,500.0	89.41	179.58	11,097.1	-1,588.2	-938.8	1,723.2	0.00	0.00	0.00
12,600.0	89.41	179.58	11,098.1	-1,688.2	-938.1	1,821.7	0.00	0.00	0.00
12,700.0	89.41	179.58	11,099.2	-1,788.2	-937.3	1,920.1	0.00	0.00	0.00
12,781.1	89.41	179.58	11,100.0	-1,868.3	-936.7	2,000.0	0.00	0.00	0.00
TGT#1(Hearn 27 State #503H)									
12,782.4	89.44	179.58	11,100.0	-1,870.6	-936.7	2,001.3	2.00	2.00	-0.04
12,800.0	89.44	179.58	11,100.2	-1,888.2	-936.6	2,018.6	0.00	0.00	0.00
12,900.0	89.44	179.58	11,101.2	-1,988.2	-935.9	2,117.0	0.00	0.00	0.00
13,000.0	89.44	179.58	11,102.2	-2,088.1	-935.1	2,215.5	0.00	0.00	0.00
13,100.0	89.44	179.58	11,103.1	-2,188.1	-934.4	2,313.9	0.00	0.00	0.00
13,200.0	89.44	179.58	11,104.1	-2,288.1	-933.6	2,412.4	0.00	0.00	0.00
13,300.0	89.44	179.58	11,105.1	-2,388.1	-932.9	2,510.8	0.00	0.00	0.00
13,400.0	89.44	179.58	11,106.1	-2,488.1	-932.2	2,609.3	0.00	0.00	0.00
13,500.0	89.44	179.58	11,107.1	-2,588.1	-931.4	2,707.7	0.00	0.00	0.00
13,600.0	89.44	179.58	11,108.1	-2,688.1	-930.7	2,806.2	0.00	0.00	0.00
13,700.0	89.44	179.58	11,109.0	-2,788.1	-929.9	2,904.6	0.00	0.00	0.00
13,800.0	89.44	179.58	11,110.0	-2,888.1	-929.2	3,003.1	0.00	0.00	0.00
13,900.0	89.44	179.58	11,111.0	-2,988.1	-928.5	3,101.5	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 27 NME)
Site: Hearn's 27 State Corn
Well: #503H
Wellbore: OH
Design: Plan #6

Local Co-ordinate Reference: Well #503H
TVD Reference: KB = 30 @ 3518.0usft (Catus 123)
MD Reference: KB = 30 @ 3518.0usft (Catus 123)
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)
14,000.0	89.44	179.58	11,112.0	-3,088.1	-927.7	3,200.0	0.00	0.00	0.00
14,100.0	89.44	179.58	11,113.0	-3,188.1	-927.0	3,298.4	0.00	0.00	0.00
14,200.0	89.44	179.58	11,114.0	-3,288.1	-926.2	3,396.9	0.00	0.00	0.00
14,300.0	89.44	179.58	11,115.0	-3,388.0	-925.5	3,495.3	0.00	0.00	0.00
14,400.0	89.44	179.58	11,115.9	-3,488.0	-924.8	3,593.8	0.00	0.00	0.00
14,500.0	89.44	179.58	11,116.9	-3,588.0	-924.0	3,692.2	0.00	0.00	0.00
14,600.0	89.44	179.58	11,117.9	-3,688.0	-923.3	3,790.7	0.00	0.00	0.00
14,700.0	89.44	179.58	11,118.9	-3,788.0	-922.6	3,889.1	0.00	0.00	0.00
14,800.0	89.44	179.58	11,119.9	-3,888.0	-921.8	3,987.6	0.00	0.00	0.00
14,812.6	89.44	179.58	11,120.0	-3,900.6	-921.7	4,000.0	0.00	0.00	0.00
TGT#2(Hearn's 27 State #503H)									
14,833.9	89.01	179.58	11,120.3	-3,921.9	-921.6	4,021.0	2.00	-2.00	0.00
14,900.0	89.01	179.58	11,121.4	-3,988.0	-921.1	4,086.0	0.00	0.00	0.00
15,000.0	89.01	179.58	11,123.2	-4,088.0	-920.3	4,184.5	0.00	0.00	0.00
15,100.0	89.01	179.58	11,124.9	-4,188.0	-919.6	4,282.9	0.00	0.00	0.00
15,200.0	89.01	179.58	11,126.6	-4,287.9	-918.9	4,381.3	0.00	0.00	0.00
15,300.0	89.01	179.58	11,128.3	-4,387.9	-918.1	4,479.8	0.00	0.00	0.00
15,400.0	89.01	179.58	11,130.1	-4,487.9	-917.4	4,578.2	0.00	0.00	0.00
15,500.0	89.01	179.58	11,131.8	-4,587.9	-916.6	4,676.7	0.00	0.00	0.00
15,600.0	89.01	179.58	11,133.5	-4,687.9	-915.9	4,775.1	0.00	0.00	0.00
15,700.0	89.01	179.58	11,135.3	-4,787.9	-915.2	4,873.5	0.00	0.00	0.00
15,800.0	89.01	179.58	11,137.0	-4,887.8	-914.4	4,972.0	0.00	0.00	0.00
15,900.0	89.01	179.58	11,138.7	-4,987.8	-913.7	5,070.4	0.00	0.00	0.00
16,000.0	89.01	179.58	11,140.4	-5,087.8	-912.9	5,168.9	0.00	0.00	0.00
16,100.0	89.01	179.58	11,142.2	-5,187.8	-912.2	5,267.3	0.00	0.00	0.00
16,200.0	89.01	179.58	11,143.9	-5,287.8	-911.5	5,365.7	0.00	0.00	0.00
16,263.2	89.01	179.58	11,145.0	-5,350.9	-911.0	5,427.9	0.00	0.00	0.00
PBHL(Hearn's 27 State #503H) test									
16,263.2	89.01	179.58	11,145.0	-5,351.0	-911.0	5,428.0	0.00	0.00	0.00
PBHL(Hearn's 27 State #503H)									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP(Hearn's 27 State #5)	0.00	0.00	11,085.0	-636.0	-946.0	430,170.00	737,854.00	32° 10' 49.145 N	103° 33' 52.383 W
- hit/miss target									
- Shape									
- plan misses target center by 53.0usft at 11556.1usft MD (11087.3 TVD, -648.0 N, -894.4 E)									
- Point									
TGT#1(Hearn's 27 State)	0.00	0.00	11,100.0	-1,869.3	-936.7	428,936.70	737,863.26	32° 10' 36.940 N	103° 33' 52.378 W
- plan hits target center									
- Point									
TGT#2(Hearn's 27 State)	0.00	0.00	11,120.0	-3,900.6	-921.7	426,905.40	737,878.28	32° 10' 16.838 N	103° 33' 52.372 W
- plan hits target center									
- Point									
PBHL(Hearn's 27 State #)	90.00	179.58	11,145.0	-5,351.0	-911.0	425,455.00	737,889.00	32° 10' 2.485 N	103° 33' 52.368 W
- plan hits target center									
- Rectangle (sides W50.0 H0.0 D4,714.6)									