



HOBBS OGD

MAY 05 2016

RECEIVED

Legacy Reserves

Lea County, NM (NAD-27 2015)

Hamon Fed Com A #6H

Hamon Fed Com A #6H

Lateral #1

Plan: Design #1

Standard Planning Report

27 September, 2015



MAY 10 2016



TDS
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Hamon Fed Com A #6H
Company:	Legacy Reserves	TVD Reference:	KB @ 3628.00usft (McVay 4)
Project:	Lea County, NM (NAD-27 2015)	MD Reference:	KB @ 3628.00usft (McVay 4)
Site:	Hamon Fed Com A #6H	North Reference:	Grid
Well:	Hamon Fed Com A #6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral #1		
Design:	Design #1		

Project	Lea County, NM (NAD-27 2015)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Hamon Fed Com A #6H		
Site Position:		Northing:	581,454.70 usft
From:	Map	Easting:	726,818.70 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 35' 46.915 N
		Longitude:	103° 35' 48.658 W
		Grid Convergence:	0.40 °

Well	Hamon Fed Com A #6H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32° 35' 46.915 N
		Longitude:	103° 35' 48.658 W
		Ground Level:	3,610.00 usft

Wellbore	Lateral #1		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	7/18/2015	7.20
			Dip Angle
			60.43
			Field Strength
			48,354

Design	Design #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			175.25

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,875.00	7.50	130.80	5,873.93	-16.01	18.55	2.00	2.00	0.00	130.80	
9,611.72	7.50	130.80	9,578.68	-334.71	387.77	0.00	0.00	0.00	0.00	
10,462.58	90.00	179.79	10,100.00	-905.37	441.68	10.00	9.70	5.76	49.23	
15,081.55	90.00	179.79	10,100.00	-5,524.30	458.90	0.00	0.00	0.00	0.00	BHL (HFCA #6H/L1)



TDS
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Hamon Fed Com A #6H
Company:	Legacy Reserves	TVD Reference:	KB @ 3628.00usft (McVay 4)
Project:	Lea County, NM (NAD-27 2015)	MD Reference:	KB @ 3628.00usft (McVay 4)
Site:	Hamon Fed Com A #6H	North Reference:	Grid
Well:	Hamon Fed Com A #6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral #1		
Design:	Design #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)
0.00	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	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00



TDS
Planning Report



Database: EDM 5000.1 Single User Db
Company: Legacy Reserves
Project: Lea County, NM (NAD-27 2015)
Site: Hamon Fed Corn A #6H
Well: Hamon Fed Corn A #6H
Wellbore: Lateral #1
Design: Design #1

Local Co-ordinate Reference: Well Hamon Fed Corn A #6H
TVD Reference: KB @ 3628.00usft (McVay 4)
MD Reference: KB @ 3628.00usft (McVay 4)
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)
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
NUDGE - Start Build 2.00									
5,600.00	2.00	130.80	5,599.98	-1.14	1.32	1.25	2.00	2.00	0.00
5,700.00	4.00	130.80	5,699.84	-4.56	5.28	4.98	2.00	2.00	0.00
5,800.00	6.00	130.80	5,799.45	-10.25	11.88	11.20	2.00	2.00	0.00
5,875.00	7.50	130.80	5,873.93	-16.01	18.55	17.50	2.00	2.00	0.00
HOLD - Start 3736.72 hold at 5875.00 MD									
5,900.00	7.50	130.80	5,898.72	-18.15	21.02	19.82	0.00	0.00	0.00
6,000.00	7.50	130.80	5,997.86	-26.68	30.90	29.14	0.00	0.00	0.00
6,100.00	7.50	130.80	6,097.01	-35.20	40.78	38.46	0.00	0.00	0.00
6,200.00	7.50	130.80	6,196.15	-43.73	50.67	47.78	0.00	0.00	0.00
6,300.00	7.50	130.80	6,295.29	-52.26	60.55	57.09	0.00	0.00	0.00
6,400.00	7.50	130.80	6,394.44	-60.79	70.43	66.41	0.00	0.00	0.00
6,500.00	7.50	130.80	6,493.58	-69.32	80.31	75.73	0.00	0.00	0.00
6,600.00	7.50	130.80	6,592.73	-77.85	90.19	85.05	0.00	0.00	0.00
6,700.00	7.50	130.80	6,691.87	-86.38	100.07	94.37	0.00	0.00	0.00
6,800.00	7.50	130.80	6,791.02	-94.91	109.95	103.68	0.00	0.00	0.00
6,900.00	7.50	130.80	6,890.16	-103.44	119.83	113.00	0.00	0.00	0.00
7,000.00	7.50	130.80	6,989.31	-111.96	129.71	122.32	0.00	0.00	0.00
7,100.00	7.50	130.80	7,088.45	-120.49	139.59	131.64	0.00	0.00	0.00
7,200.00	7.50	130.80	7,187.59	-129.02	149.47	140.95	0.00	0.00	0.00
7,300.00	7.50	130.80	7,286.74	-137.55	159.35	150.27	0.00	0.00	0.00
7,400.00	7.50	130.80	7,385.88	-146.08	169.23	159.59	0.00	0.00	0.00
7,500.00	7.50	130.80	7,485.03	-154.61	179.12	168.91	0.00	0.00	0.00
7,600.00	7.50	130.80	7,584.17	-163.14	189.00	178.22	0.00	0.00	0.00
7,700.00	7.50	130.80	7,683.32	-171.67	198.88	187.54	0.00	0.00	0.00
7,800.00	7.50	130.80	7,782.46	-180.19	208.76	196.86	0.00	0.00	0.00
7,900.00	7.50	130.80	7,881.61	-188.72	218.64	206.18	0.00	0.00	0.00
8,000.00	7.50	130.80	7,980.75	-197.25	228.52	215.49	0.00	0.00	0.00
8,100.00	7.50	130.80	8,079.89	-205.78	238.40	224.81	0.00	0.00	0.00
8,200.00	7.50	130.80	8,179.04	-214.31	248.28	234.13	0.00	0.00	0.00
8,300.00	7.50	130.80	8,278.18	-222.84	258.16	243.45	0.00	0.00	0.00
8,400.00	7.50	130.80	8,377.33	-231.37	268.04	252.76	0.00	0.00	0.00
8,500.00	7.50	130.80	8,476.47	-239.90	277.92	262.08	0.00	0.00	0.00
8,600.00	7.50	130.80	8,575.62	-248.43	287.80	271.40	0.00	0.00	0.00
8,700.00	7.50	130.80	8,674.76	-256.95	297.68	280.72	0.00	0.00	0.00
8,800.00	7.50	130.80	8,773.91	-265.48	307.57	290.03	0.00	0.00	0.00
8,900.00	7.50	130.80	8,873.05	-274.01	317.45	299.35	0.00	0.00	0.00
9,000.00	7.50	130.80	8,972.20	-282.54	327.33	308.67	0.00	0.00	0.00
9,100.00	7.50	130.80	9,071.34	-291.07	337.21	317.99	0.00	0.00	0.00
9,200.00	7.50	130.80	9,170.48	-299.60	347.09	327.30	0.00	0.00	0.00
9,300.00	7.50	130.80	9,269.63	-308.13	356.97	336.62	0.00	0.00	0.00
9,400.00	7.50	130.80	9,368.77	-316.66	366.85	345.94	0.00	0.00	0.00
9,500.00	7.50	130.80	9,467.92	-325.19	376.73	355.26	0.00	0.00	0.00
9,600.00	7.50	130.80	9,567.06	-333.71	386.61	364.57	0.00	0.00	0.00
9,611.72	7.50	130.80	9,578.68	-334.71	387.77	365.67	0.00	0.00	0.00
KOP - Start DLS 10.00 TFO 49.23									
9,650.00	10.41	147.05	9,616.50	-339.25	391.54	370.50	10.00	7.60	42.45
9,700.00	14.85	157.78	9,665.28	-348.98	396.43	380.60	10.00	8.87	21.45
9,750.00	19.55	163.54	9,713.04	-362.94	401.22	394.91	10.00	9.41	11.53
9,800.00	24.37	167.12	9,759.40	-381.03	405.89	413.32	10.00	9.64	7.15
9,850.00	29.25	169.57	9,804.01	-403.11	410.41	435.71	10.00	9.75	4.90



TDS
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Hamon Fed Com A #6H
Company:	Legacy Reserves	TVD Reference:	KB @ 3628.00usft (McVay 4)
Project:	Lea County, NM (NAD-27.2015)	MD Reference:	KB @ 3628.00usft (McVay 4)
Site:	Hamon Fed Com A #6H	North Reference:	Grid
Well:	Hamon Fed Com A #6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral #1		
Design:	Design #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)
9,900.00	34.16	171.37	9,846.54	-429.02	414.73	461.88	10.00	9.82	3.60
9,950.00	39.09	172.76	9,886.65	-458.56	418.82	491.66	10.00	9.86	2.79
10,000.00	44.03	173.89	9,924.05	-491.50	422.66	524.80	10.00	9.89	2.25
10,050.00	48.99	174.83	9,958.45	-527.58	426.21	561.06	10.00	9.91	1.88
10,100.00	53.95	175.64	9,989.59	-566.55	429.45	600.16	10.00	9.92	1.62
10,150.00	58.91	176.35	10,017.23	-608.10	432.35	641.80	10.00	9.93	1.43
10,200.00	63.88	176.99	10,041.16	-651.91	434.89	685.67	10.00	9.94	1.28
10,250.00	68.85	177.58	10,061.20	-697.65	437.06	731.43	10.00	9.94	1.18
10,300.00	73.82	178.14	10,077.20	-744.97	438.82	778.74	10.00	9.95	1.10
10,350.00	78.80	178.66	10,089.03	-793.51	440.18	827.23	10.00	9.95	1.05
10,400.00	83.77	179.17	10,096.60	-842.91	441.11	876.54	10.00	9.95	1.01
10,450.00	88.75	179.66	10,099.86	-892.79	441.62	926.28	10.00	9.95	0.99
10,462.58	90.00	179.79	10,100.00	-905.37	441.68	938.83	10.00	9.95	0.99
EOC - Start 4618.96 hold at 10462.58 MD									
10,500.00	90.00	179.79	10,100.00	-942.79	441.82	976.13	0.00	0.00	0.00
10,600.00	90.00	179.79	10,100.00	-1,042.79	442.20	1,075.81	0.00	0.00	0.00
10,700.00	90.00	179.79	10,100.00	-1,142.78	442.57	1,175.50	0.00	0.00	0.00
10,800.00	90.00	179.79	10,100.00	-1,242.78	442.94	1,275.19	0.00	0.00	0.00
10,900.00	90.00	179.79	10,100.00	-1,342.78	443.31	1,374.87	0.00	0.00	0.00
11,000.00	90.00	179.79	10,100.00	-1,442.78	443.69	1,474.56	0.00	0.00	0.00
11,100.00	90.00	179.79	10,100.00	-1,542.78	444.06	1,574.25	0.00	0.00	0.00
11,200.00	90.00	179.79	10,100.00	-1,642.78	444.43	1,673.93	0.00	0.00	0.00
11,300.00	90.00	179.79	10,100.00	-1,742.78	444.81	1,773.62	0.00	0.00	0.00
11,400.00	90.00	179.79	10,100.00	-1,842.78	445.18	1,873.31	0.00	0.00	0.00
11,500.00	90.00	179.79	10,100.00	-1,942.78	445.55	1,973.00	0.00	0.00	0.00
11,600.00	90.00	179.79	10,100.00	-2,042.78	445.92	2,072.68	0.00	0.00	0.00
11,700.00	90.00	179.79	10,100.00	-2,142.78	446.30	2,172.37	0.00	0.00	0.00
11,800.00	90.00	179.79	10,100.00	-2,242.78	446.67	2,272.06	0.00	0.00	0.00
11,900.00	90.00	179.79	10,100.00	-2,342.78	447.04	2,371.74	0.00	0.00	0.00
12,000.00	90.00	179.79	10,100.00	-2,442.78	447.41	2,471.43	0.00	0.00	0.00
12,100.00	90.00	179.79	10,100.00	-2,542.78	447.79	2,571.12	0.00	0.00	0.00
12,200.00	90.00	179.79	10,100.00	-2,642.77	448.16	2,670.80	0.00	0.00	0.00
12,300.00	90.00	179.79	10,100.00	-2,742.77	448.53	2,770.49	0.00	0.00	0.00
12,400.00	90.00	179.79	10,100.00	-2,842.77	448.91	2,870.18	0.00	0.00	0.00
12,500.00	90.00	179.79	10,100.00	-2,942.77	449.28	2,969.86	0.00	0.00	0.00
12,600.00	90.00	179.79	10,100.00	-3,042.77	449.65	3,069.55	0.00	0.00	0.00
12,700.00	90.00	179.79	10,100.00	-3,142.77	450.02	3,169.24	0.00	0.00	0.00
12,800.00	90.00	179.79	10,100.00	-3,242.77	450.40	3,268.93	0.00	0.00	0.00
12,900.00	90.00	179.79	10,100.00	-3,342.77	450.77	3,368.61	0.00	0.00	0.00
13,000.00	90.00	179.79	10,100.00	-3,442.77	451.14	3,468.30	0.00	0.00	0.00
13,100.00	90.00	179.79	10,100.00	-3,542.77	451.51	3,567.99	0.00	0.00	0.00
13,200.00	90.00	179.79	10,100.00	-3,642.77	451.89	3,667.67	0.00	0.00	0.00
13,300.00	90.00	179.79	10,100.00	-3,742.77	452.26	3,767.36	0.00	0.00	0.00
13,400.00	90.00	179.79	10,100.00	-3,842.77	452.63	3,867.05	0.00	0.00	0.00
13,500.00	90.00	179.79	10,100.00	-3,942.77	453.01	3,966.73	0.00	0.00	0.00
13,600.00	90.00	179.79	10,100.00	-4,042.76	453.38	4,066.42	0.00	0.00	0.00
13,700.00	90.00	179.79	10,100.00	-4,142.76	453.75	4,166.11	0.00	0.00	0.00
13,800.00	90.00	179.79	10,100.00	-4,242.76	454.12	4,265.79	0.00	0.00	0.00
13,900.00	90.00	179.79	10,100.00	-4,342.76	454.50	4,365.48	0.00	0.00	0.00
14,000.00	90.00	179.79	10,100.00	-4,442.76	454.87	4,465.17	0.00	0.00	0.00
14,100.00	90.00	179.79	10,100.00	-4,542.76	455.24	4,564.85	0.00	0.00	0.00
14,200.00	90.00	179.79	10,100.00	-4,642.76	455.61	4,664.54	0.00	0.00	0.00
14,300.00	90.00	179.79	10,100.00	-4,742.76	455.99	4,764.23	0.00	0.00	0.00



TDS
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Hamon Fed Com A #6H
Company:	Legacy Reserves	TVD Reference:	KB @ 3628.00usft (McVay 4)
Project:	Lea County, NM (NAD-27 2015)	MD Reference:	KB @ 3628.00usft (McVay 4)
Site:	Hamon Fed Com A #6H	North Reference:	Grid
Well:	Hamon Fed Com A #6H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral #1		
Design:	Design #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)
14,400.00	90.00	179.79	10,100.00	-4,842.76	456.36	4,863.92	0.00	0.00	0.00
14,500.00	90.00	179.79	10,100.00	-4,942.76	456.73	4,963.60	0.00	0.00	0.00
14,600.00	90.00	179.79	10,100.00	-5,042.76	457.11	5,063.29	0.00	0.00	0.00
14,700.00	90.00	179.79	10,100.00	-5,142.76	457.48	5,162.98	0.00	0.00	0.00
14,800.00	90.00	179.79	10,100.00	-5,242.76	457.85	5,262.66	0.00	0.00	0.00
14,900.00	90.00	179.79	10,100.00	-5,342.76	458.22	5,362.35	0.00	0.00	0.00
15,000.00	90.00	179.79	10,100.00	-5,442.75	458.60	5,462.04	0.00	0.00	0.00
15,081.55	90.00	179.79	10,100.00	-5,524.30	458.90	5,543.33	0.00	0.00	0.00
TD at 15081.55									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Target Window (HFCA #	0.00	179.79	10,100.00	-5,524.30	458.90	575,930.40	727,277.60	32° 34' 52.221 N	103° 35' 43.742 W
- plan hits target center									
- Rectangle (sides W100.00 H4,619.50 D30.00)									
BHL (HFCA #6H/L1)	0.00	0.00	10,100.00	-5,524.30	458.90	575,930.40	727,277.60	32° 34' 52.221 N	103° 35' 43.742 W
- plan hits target center									
- Point									
EOC (HFCA #6H/L1 Des	0.00	0.00	10,100.00	-905.37	441.68	580,549.34	727,260.38	32° 35' 37.926 N	103° 35' 43.569 W
- plan hits target center									
- Point									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
5,400.00	5,400.00	9 5/8"	9-5/8	12-1/4

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
5,500.00	5,500.00	0.00	0.00	NUDGE - Start Build 2.00
5,875.00	5,873.93	-16.01	18.55	HOLD - Start 3736.72 hold at 5875.00 MD
9,611.72	9,578.68	-334.71	387.77	KOP - Start DLS 10.00 TFO 49.23
10,462.58	10,100.00	-905.37	441.68	EOC - Start 4618.96 hold at 10462.58 MD
15,081.55	10,100.00	-5,524.30	458.90	TD at 15081.55