

30-025-44490

PRIDE ENERGY COMPANY
LEADING THE OIL AND GAS INDUSTRY

Pride Energy Company

Lea County, New Mexico (NAD 83)

Paduca "16" State

203H

HOBBS OCD

FEB 16 2018

RECEIVED

Wellbore #1

Plan: Design #1

Standard Planning Report

15 February, 2018

MS *Directional*

Database:	5000.1 Conroe DB	Local Co-ordinate Reference:	Well 203H
Company:	Pride Energy Company	TVD Reference:	WELL @ 3447.00usft
Project:	Lea County, New Mexico (NAD 83)	MD Reference:	WELL @ 3447.00usft
Site:	Paduca "16" State	North Reference:	Grid
Well:	203H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Lea County, New Mexico (NAD 83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Well	203H				
Well Position	+N/-S	-12.20 usft	Northing:	414,231.82 usft	Latitude: 32° 6' 20.302 N
	+E/-W	-998.12 usft	Easting:	743,016.45 usft	Longitude: 109° 8' 51.949 W
Position Uncertainty		0.00 usft	Wellhead Elevation:		Ground Level: 3,427.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2017	2/2/2018	9.16	58.91	47,089

Design	Design #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	177.56

Plan Survey Tool Program	Date 2/15/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	13,166.01	Design #1 (Wellbore #1)	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
0.00	0.00	0.00	0.00	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	2.00	90.00	3,099.98	0.00	1.75	2.00	2.00	0.00	90.00	
5,200.00	2.00	90.00	5,198.70	0.00	75.03	0.00	0.00	0.00	0.00	
5,333.33	0.00	0.00	5,332.01	0.00	77.36	1.50	-1.50	0.00	180.00	
5,490.33	0.00	0.00	5,489.01	0.00	77.36	0.00	0.00	0.00	0.00	
5,790.17	6.00	30.18	5,788.30	13.55	85.24	2.00	2.00	0.00	30.18	
7,459.53	6.00	30.18	7,448.52	164.31	172.93	0.00	0.00	0.00	0.00	
7,859.31	0.00	0.00	7,847.57	182.37	183.44	1.50	-1.50	0.00	180.00	VP - Paduca "16" S
7,959.31	0.00	0.00	7,947.57	182.37	183.44	0.00	0.00	0.00	0.00	
8,703.96	89.36	179.77	8,425.01	-289.74	185.29	12.00	12.00	24.14	179.77	
13,166.01	89.36	179.77	8,475.00	-4,751.47	202.85	0.00	0.00	0.00	0.00	PBHL - Paduca "16"

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Site:	Paduca "16" State	North Reference:	Grid
Well:	203H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #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
KOP, 2.00°/100' Build									
3,100.00	2.00	90.00	3,099.98	0.00	1.75	0.07	2.00	2.00	0.00
Hold 2.00° Inc, 90.00° Azm									
3,200.00	2.00	90.00	3,199.92	0.00	5.24	0.22	0.00	0.00	0.00
3,300.00	2.00	90.00	3,299.86	0.00	8.73	0.37	0.00	0.00	0.00
3,400.00	2.00	90.00	3,399.80	0.00	12.22	0.52	0.00	0.00	0.00
3,500.00	2.00	90.00	3,499.74	0.00	15.70	0.67	0.00	0.00	0.00
3,600.00	2.00	90.00	3,599.68	0.00	19.19	0.82	0.00	0.00	0.00
3,700.00	2.00	90.00	3,699.61	0.00	22.68	0.97	0.00	0.00	0.00
3,800.00	2.00	90.00	3,799.55	0.00	26.17	1.12	0.00	0.00	0.00
3,900.00	2.00	90.00	3,899.49	0.00	29.66	1.27	0.00	0.00	0.00
4,000.00	2.00	90.00	3,999.43	0.00	33.15	1.41	0.00	0.00	0.00
4,100.00	2.00	90.00	4,099.37	0.00	36.64	1.56	0.00	0.00	0.00
4,200.00	2.00	90.00	4,199.31	0.00	40.13	1.71	0.00	0.00	0.00
4,300.00	2.00	90.00	4,299.25	0.00	43.62	1.86	0.00	0.00	0.00
4,400.00	2.00	90.00	4,399.19	0.00	47.11	2.01	0.00	0.00	0.00
4,500.00	2.00	90.00	4,499.13	0.00	50.60	2.16	0.00	0.00	0.00
4,600.00	2.00	90.00	4,599.07	0.00	54.09	2.31	0.00	0.00	0.00
4,700.00	2.00	90.00	4,699.01	0.00	57.58	2.46	0.00	0.00	0.00
4,800.00	2.00	90.00	4,798.94	0.00	61.07	2.61	0.00	0.00	0.00
4,900.00	2.00	90.00	4,898.88	0.00	64.56	2.75	0.00	0.00	0.00
5,000.00	2.00	90.00	4,998.82	0.00	68.05	2.90	0.00	0.00	0.00

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Site:	Paduca "16" State	North Reference:	Grid
Well:	203H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #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)
5,100.00	2.00	90.00	5,098.76	0.00	71.54	3.05	0.00	0.00	0.00
5,200.00	2.00	90.00	5,198.70	0.00	75.03	3.20	0.00	0.00	0.00
Begin 1.50°/100' Drop									
5,300.00	0.50	90.00	5,298.67	0.00	77.22	3.29	1.50	-1.50	0.00
5,333.33	0.00	0.00	5,332.01	0.00	77.36	3.30	1.50	-1.50	0.00
Begin Vertical Hold									
5,400.00	0.00	0.00	5,398.67	0.00	77.36	3.30	0.00	0.00	0.00
5,490.33	0.00	0.00	5,489.01	0.00	77.36	3.30	0.00	0.00	0.00
Begin 2.00°/100' Build									
5,500.00	0.19	30.18	5,498.67	0.01	77.37	3.29	2.00	2.00	0.00
5,600.00	2.19	30.18	5,598.65	1.81	78.42	1.53	2.00	2.00	0.00
5,700.00	4.19	30.18	5,698.49	6.63	81.22	-3.16	2.00	2.00	0.00
5,790.17	6.00	30.18	5,788.30	13.55	85.24	-9.90	2.00	2.00	0.00
Hold 6.00° Inc, 30.18° Azm									
5,800.00	6.00	30.18	5,798.07	14.44	85.76	-10.77	0.00	0.00	0.00
5,900.00	6.00	30.18	5,897.53	23.47	91.01	-19.57	0.00	0.00	0.00
6,000.00	6.00	30.18	5,996.98	32.50	96.26	-28.36	0.00	0.00	0.00
6,100.00	6.00	30.18	6,096.43	41.53	101.52	-37.16	0.00	0.00	0.00
6,200.00	6.00	30.18	6,195.88	50.56	106.77	-45.96	0.00	0.00	0.00
6,300.00	6.00	30.18	6,295.34	59.59	112.02	-54.76	0.00	0.00	0.00
6,400.00	6.00	30.18	6,394.79	68.62	117.27	-63.56	0.00	0.00	0.00
6,500.00	6.00	30.18	6,494.24	77.65	122.53	-72.36	0.00	0.00	0.00
6,600.00	6.00	30.18	6,593.69	86.68	127.78	-81.16	0.00	0.00	0.00
6,700.00	6.00	30.18	6,693.15	95.72	133.03	-89.95	0.00	0.00	0.00
6,800.00	6.00	30.18	6,792.60	104.75	138.28	-98.75	0.00	0.00	0.00
6,900.00	6.00	30.18	6,892.05	113.78	143.54	-107.55	0.00	0.00	0.00
7,000.00	6.00	30.18	6,991.51	122.81	148.79	-116.35	0.00	0.00	0.00
7,100.00	6.00	30.18	7,090.96	131.84	154.04	-125.15	0.00	0.00	0.00
7,200.00	6.00	30.18	7,190.41	140.87	159.29	-133.95	0.00	0.00	0.00
7,300.00	6.00	30.18	7,289.86	149.90	164.55	-142.75	0.00	0.00	0.00
7,400.00	6.00	30.18	7,389.32	158.93	169.80	-151.54	0.00	0.00	0.00
7,459.53	6.00	30.18	7,448.52	164.31	172.93	-156.78	0.00	0.00	0.00
Begin 1.50°/100' Drop									
7,500.00	5.39	30.18	7,488.79	167.78	174.95	-160.16	1.50	-1.50	0.00
7,600.00	3.89	30.18	7,588.46	174.77	179.01	-166.97	1.50	-1.50	0.00
7,700.00	2.39	30.18	7,688.31	179.50	181.77	-171.59	1.50	-1.50	0.00
7,800.00	0.89	30.18	7,788.26	181.98	183.20	-174.00	1.50	-1.50	0.00
7,859.31	0.00	0.00	7,847.57	182.37	183.44	-174.38	1.50	-1.50	0.00
Begin Vertical Hold									
7,900.00	0.00	0.00	7,888.26	182.37	183.44	-174.38	0.00	0.00	0.00
7,959.31	0.00	0.00	7,947.57	182.37	183.44	-174.38	0.00	0.00	0.00
Begin 12.00°/100' Build									
7,975.00	1.88	179.77	7,963.26	182.12	183.44	-174.13	12.00	12.00	0.00
8,000.00	4.88	179.77	7,988.21	180.64	183.44	-172.65	12.00	12.00	0.00
8,025.00	7.88	179.77	8,013.05	177.86	183.45	-169.88	12.00	12.00	0.00
8,050.00	10.88	179.77	8,037.72	173.79	183.47	-165.80	12.00	12.00	0.00
8,075.00	13.88	179.77	8,062.13	168.43	183.49	-160.45	12.00	12.00	0.00
8,100.00	16.88	179.77	8,086.23	161.80	183.52	-153.82	12.00	12.00	0.00
8,125.00	19.88	179.77	8,109.96	153.91	183.55	-145.94	12.00	12.00	0.00
8,150.00	22.88	179.77	8,133.23	144.80	183.58	-136.84	12.00	12.00	0.00
8,175.00	25.88	179.77	8,156.00	134.48	183.62	-126.52	12.00	12.00	0.00
8,200.00	28.88	179.77	8,178.20	122.98	183.67	-115.04	12.00	12.00	0.00
8,225.00	31.88	179.77	8,199.76	110.34	183.72	-102.40	12.00	12.00	0.00

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Site:	Paduca "16" State	North Reference:	Grid
Well:	203H	Survey Calculation Method:	Minimum Curvature
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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)
8,250.00	34.88	179.77	8,220.63	96.59	183.77	-88.66	12.00	12.00	0.00
8,275.00	37.88	179.77	8,240.76	81.76	183.83	-73.84	12.00	12.00	0.00
8,300.00	40.88	179.77	8,260.08	65.90	183.89	-57.99	12.00	12.00	0.00
8,325.00	43.88	179.77	8,278.54	49.05	183.96	-41.16	12.00	12.00	0.00
8,350.00	46.88	179.77	8,296.10	31.25	184.03	-23.38	12.00	12.00	0.00
8,375.00	49.88	179.77	8,312.70	12.57	184.10	-4.70	12.00	12.00	0.00
8,400.00	52.88	179.77	8,328.30	-6.97	184.18	14.81	12.00	12.00	0.00
8,425.00	55.88	179.77	8,342.86	-27.29	184.26	35.12	12.00	12.00	0.00
8,450.00	58.88	179.77	8,356.33	-48.34	184.34	56.16	12.00	12.00	0.00
8,475.00	61.88	179.77	8,368.69	-70.07	184.43	77.87	12.00	12.00	0.00
8,500.00	64.88	179.77	8,379.89	-92.42	184.52	100.21	12.00	12.00	0.00
8,525.00	67.88	179.77	8,389.90	-115.32	184.61	123.09	12.00	12.00	0.00
8,550.00	70.88	179.77	8,398.70	-138.72	184.70	146.47	12.00	12.00	0.00
8,575.00	73.88	179.77	8,406.27	-162.54	184.79	170.28	12.00	12.00	0.00
8,600.00	76.88	179.77	8,412.58	-186.73	184.89	194.45	12.00	12.00	0.00
8,625.00	79.88	179.77	8,417.61	-211.22	184.98	218.91	12.00	12.00	0.00
8,650.00	82.88	179.77	8,421.36	-235.93	185.08	243.61	12.00	12.00	0.00
8,675.00	85.88	179.77	8,423.80	-260.81	185.18	268.47	12.00	12.00	0.00
8,700.00	88.88	179.77	8,424.94	-285.78	185.28	293.42	12.00	12.00	0.00
8,703.96	89.36	179.77	8,425.01	-289.74	185.29	297.38	12.00	12.00	0.00
Begin 89.36° Lateral									
8,800.00	89.36	179.77	8,426.08	-385.77	185.67	393.34	0.00	0.00	0.00
8,900.00	89.36	179.77	8,427.20	-485.76	186.06	493.26	0.00	0.00	0.00
9,000.00	89.36	179.77	8,428.32	-585.76	186.46	593.18	0.00	0.00	0.00
9,100.00	89.36	179.77	8,429.44	-685.75	186.85	693.10	0.00	0.00	0.00
9,200.00	89.36	179.77	8,430.56	-785.74	187.25	793.01	0.00	0.00	0.00
9,300.00	89.36	179.77	8,431.68	-885.74	187.64	892.93	0.00	0.00	0.00
9,400.00	89.36	179.77	8,432.80	-985.73	188.03	992.85	0.00	0.00	0.00
9,500.00	89.36	179.77	8,433.92	-1,085.72	188.43	1,092.77	0.00	0.00	0.00
9,600.00	89.36	179.77	8,435.04	-1,185.72	188.82	1,192.69	0.00	0.00	0.00
9,700.00	89.36	179.77	8,436.17	-1,285.71	189.21	1,292.61	0.00	0.00	0.00
9,800.00	89.36	179.77	8,437.29	-1,385.70	189.61	1,392.53	0.00	0.00	0.00
9,900.00	89.36	179.77	8,438.41	-1,485.69	190.00	1,492.45	0.00	0.00	0.00
10,000.00	89.36	179.77	8,439.53	-1,585.69	190.39	1,592.36	0.00	0.00	0.00
10,100.00	89.36	179.77	8,440.65	-1,685.68	190.79	1,692.28	0.00	0.00	0.00
10,200.00	89.36	179.77	8,441.77	-1,785.67	191.18	1,792.20	0.00	0.00	0.00
10,300.00	89.36	179.77	8,442.89	-1,885.67	191.57	1,892.12	0.00	0.00	0.00
10,400.00	89.36	179.77	8,444.01	-1,985.66	191.97	1,992.04	0.00	0.00	0.00
10,500.00	89.36	179.77	8,445.13	-2,085.65	192.36	2,091.96	0.00	0.00	0.00
10,600.00	89.36	179.77	8,446.25	-2,185.64	192.75	2,191.88	0.00	0.00	0.00
10,700.00	89.36	179.77	8,447.37	-2,285.64	193.15	2,291.80	0.00	0.00	0.00
10,800.00	89.36	179.77	8,448.49	-2,385.63	193.54	2,391.71	0.00	0.00	0.00
10,900.00	89.36	179.77	8,449.61	-2,485.62	193.93	2,491.63	0.00	0.00	0.00
11,000.00	89.36	179.77	8,450.73	-2,585.62	194.33	2,591.55	0.00	0.00	0.00
11,100.00	89.36	179.77	8,451.85	-2,685.61	194.72	2,691.47	0.00	0.00	0.00
11,200.00	89.36	179.77	8,452.97	-2,785.60	195.12	2,791.39	0.00	0.00	0.00
11,300.00	89.36	179.77	8,454.09	-2,885.60	195.51	2,891.31	0.00	0.00	0.00
11,400.00	89.36	179.77	8,455.21	-2,985.59	195.90	2,991.23	0.00	0.00	0.00
11,500.00	89.36	179.77	8,456.33	-3,085.58	196.30	3,091.15	0.00	0.00	0.00
11,600.00	89.36	179.77	8,457.45	-3,185.57	196.69	3,191.06	0.00	0.00	0.00
11,700.00	89.36	179.77	8,458.57	-3,285.57	197.08	3,290.98	0.00	0.00	0.00
11,800.00	89.36	179.77	8,459.69	-3,385.56	197.48	3,390.90	0.00	0.00	0.00
11,900.00	89.36	179.77	8,460.82	-3,485.55	197.87	3,490.82	0.00	0.00	0.00
12,000.00	89.36	179.77	8,461.94	-3,585.55	198.26	3,590.74	0.00	0.00	0.00

Database:	5000.1 Conroe DB	Local Co-ordinate Reference:	Well 203H
Company:	Pride Energy Company	TVD Reference:	WELL @ 3447.00usft
Project:	Lea County, New Mexico (NAD 83)	MD Reference:	WELL @ 3447.00usft
Site:	Paduca "16" State	North Reference:	Grid
Well:	203H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #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)
12,100.00	89.36	179.77	8,463.06	-3,685.54	198.66	3,690.66	0.00	0.00	0.00
12,200.00	89.36	179.77	8,464.18	-3,785.53	199.05	3,790.58	0.00	0.00	0.00
12,300.00	89.36	179.77	8,465.30	-3,885.52	199.44	3,890.50	0.00	0.00	0.00
12,400.00	89.36	179.77	8,466.42	-3,985.52	199.84	3,990.41	0.00	0.00	0.00
12,500.00	89.36	179.77	8,467.54	-4,085.51	200.23	4,090.33	0.00	0.00	0.00
12,600.00	89.36	179.77	8,468.66	-4,185.50	200.62	4,190.25	0.00	0.00	0.00
12,700.00	89.36	179.77	8,469.78	-4,285.50	201.02	4,290.17	0.00	0.00	0.00
12,800.00	89.36	179.77	8,470.90	-4,385.49	201.41	4,390.09	0.00	0.00	0.00
12,900.00	89.36	179.77	8,472.02	-4,485.48	201.81	4,490.01	0.00	0.00	0.00
13,000.00	89.36	179.77	8,473.14	-4,585.48	202.20	4,589.93	0.00	0.00	0.00
13,100.00	89.36	179.77	8,474.26	-4,685.47	202.59	4,689.85	0.00	0.00	0.00
13,166.01	89.36	179.77	8,475.00	-4,751.47	202.85	4,755.80	0.00	0.00	0.00
PBHL									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
VP - Paduca "16" Stal - plan hits target center - Point	0.00	360.00	7,847.57	182.37	183.44	414,414.20	743,199.89	32° 6' 22.153 N	109° 8' 49.876 W
PBHL - Paduca "16" S - plan hits target center - Point	0.00	360.00	8,475.00	-4,751.47	202.85	409,480.35	743,219.31	32° 5' 33.394 N	109° 8' 48.110 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,000.00	3,000.00	0.00	0.00	KOP, 2.00°/100' Build
3,100.00	3,099.98	0.00	1.75	Hold 2.00° Inc, 90.00° Azm
5,200.00	5,198.70	0.00	75.03	Begin 1.50°/100' Drop
5,333.33	5,332.01	0.00	77.36	Begin Vertical Hold
5,490.33	5,489.01	0.00	77.36	Begin 2.00°/100' Build
5,790.17	5,788.30	13.55	85.24	Hold 6.00° Inc, 30.18° Azm
7,459.53	7,448.52	164.31	172.93	Begin 1.50°/100' Drop
7,859.31	7,847.57	182.37	183.44	Begin Vertical Hold
7,959.31	7,947.57	182.37	183.44	Begin 12.00°/100' Build
8,703.96	8,425.01	-289.74	185.29	Begin 89.36° Lateral
13,166.01	8,475.00	-4,751.47	202.85	PBHL