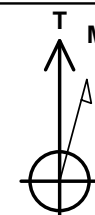


# PDC Energy Inc. DJ Basin



HEN 21N  
 Hen Pad  
 North American Datum 1983 , US State Plane 1983, Colorado Northern Zone  
 Ground Elevation: 4779.0  
 +N/-S +E/-W Northing Easting Latitude Longitude  
 0.0 0.0 1363534.69 3258634.16 40.327590 -104.572340  
 P272 - RKB 28.5' Well @ 4807.5ft (P272 - RKB 28.5')

Hen Pad  
 HEN 21N  
 HEN 21N Final Surveys  
 11:35, December 01 2023



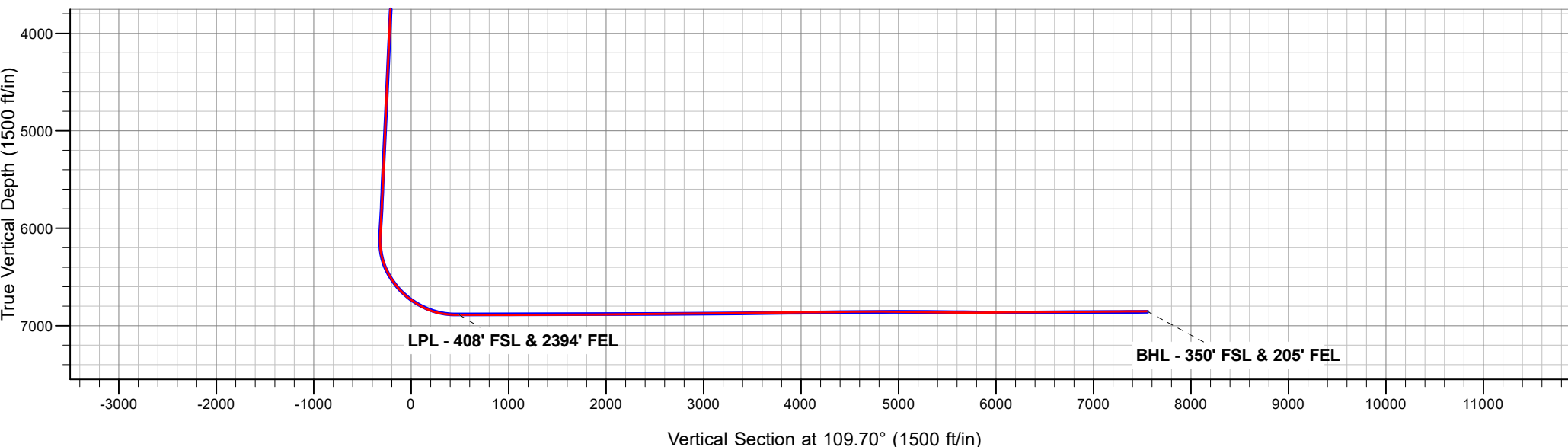
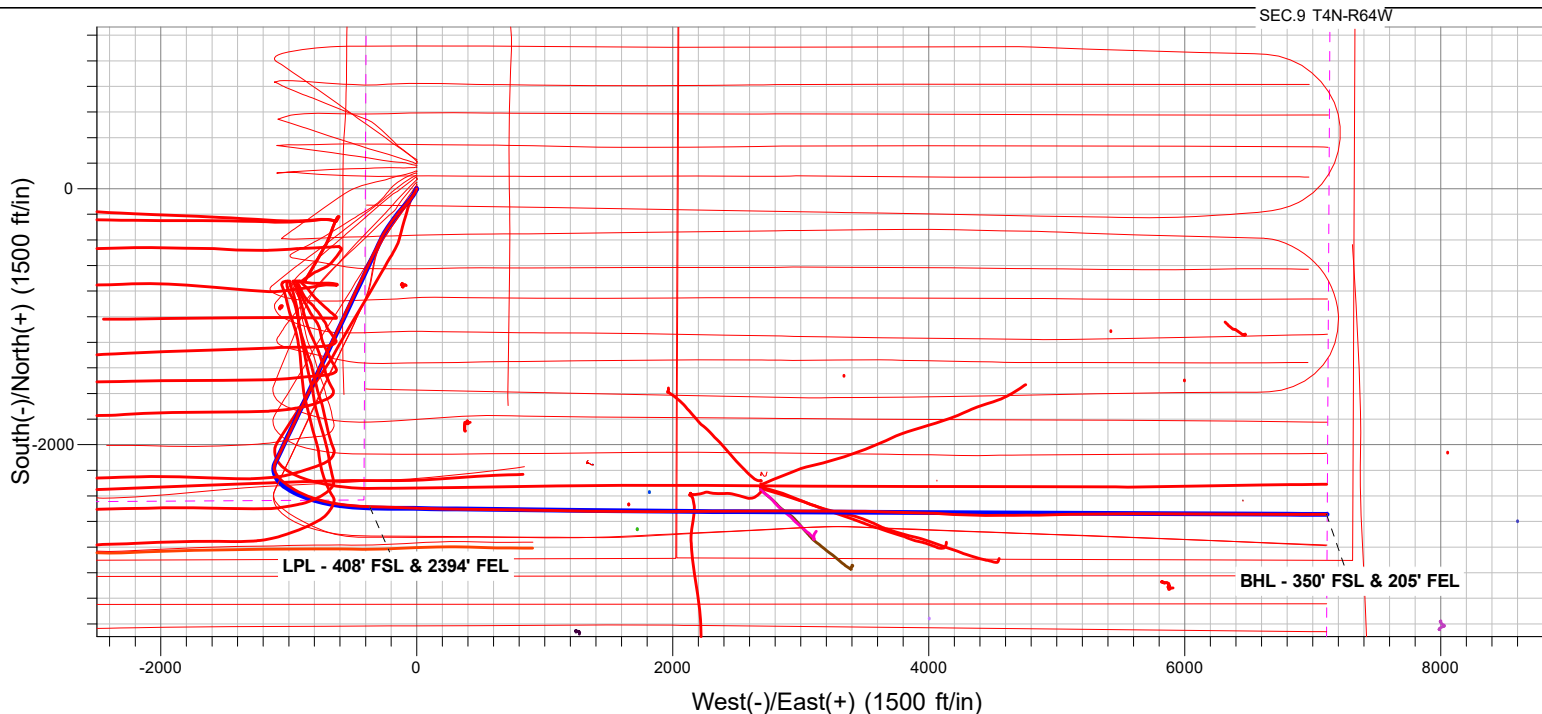
Azimuths to True North  
 Magnetic North: 7.67°

Magnetic Field  
 Strength: 51696.4nT  
 Dip Angle: 66.57°  
 Date: 09/28/2023  
 Model: HRGM

**ANNOTATIONS**

MD	TVD	Annotation
7912.0	6888.3	LPL - 408' FSL & 2394' FEL
15388.0	6852.2	BHL - 350' FSL & 205' FEL

**FINAL SURVEY**  
**Projected Bottom Hole Location**  
**15388' MD / 6852.2' TVD**  
**90.50° INC / 90.01° AZM**  
**350' FSL / 205' FEL**



# **PDC Energy Inc. DJ Basin**

**SEC.8-T4N-R64W**

**Hen Pad**

**HEN 21N**

**HEN 21N**

**Design: HEN 21N Final Surveys**

## **Survey Report - Geographic**

**01 December, 2023**

# Ensign

## Survey Report - Geographic

<b>Company:</b> PDC Energy Inc. DJ Basin	<b>Local Co-ordinate Reference:</b> Well HEN 21N
<b>Project:</b> SEC.8-T4N-R64W	<b>TVD Reference:</b> Well @ 4807.5ft (P272 - RKB 28.5')
<b>Site:</b> Hen Pad	<b>MD Reference:</b> Well @ 4807.5ft (P272 - RKB 28.5')
<b>Well:</b> HEN 21N	<b>North Reference:</b> True
<b>Wellbore:</b> HEN 21N	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> HEN 21N Final Surveys	<b>Database:</b> US_EDM

<b>Project</b> SEC.8-T4N-R64W, Weld County, Colorado			
<b>Map System:</b> US State Plane 1983	<b>System Datum:</b> Mean Sea Level		
<b>Geo Datum:</b> North American Datum 1983			
<b>Map Zone:</b> Colorado Northern Zone	Using geodetic scale factor		

<b>Site</b> Hen Pad			
<b>Site Position:</b>	<b>Northing:</b> 1,363,685.50 usft	<b>Latitude:</b> 40.328004	
<b>From:</b> Lat/Long	<b>Easting:</b> 3,258,631.47 usft	<b>Longitude:</b> -104.572344	
<b>Position Uncertainty:</b> 0.0 ft	<b>Slot Radius:</b> 13-3/16 "	<b>Grid Convergence:</b> 0.60 °	

<b>Well</b> HEN 21N			
<b>Well Position</b>	<b>+N/-S</b> 0.0 ft	<b>Northing:</b> 1,363,534.69 usft	<b>Latitude:</b> 40.327590
	<b>+E/-W</b> 0.0 ft	<b>Easting:</b> 3,258,634.16 usft	<b>Longitude:</b> -104.572340
<b>Position Uncertainty</b> 0.0 ft		<b>Wellhead Elevation:</b> ft	<b>Ground Level:</b> 4,779.0 ft

<b>Wellbore</b> HEN 21N					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	09/28/2023	7.67	66.57	51,696.35294536

<b>Design</b> HEN 21N Final Surveys					
<b>Audit Notes:</b>					
<b>Version:</b> 1.0	<b>Phase:</b> ACTUAL	<b>Tie On Depth:</b> 0.0			
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0		109.70

<b>Survey Program</b> Date 12/01/2023					
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
159.5	15,388.0	Survey #1 (HEN 21N)	MWD	MWD - Standard	

<b>Survey</b>									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	1,363,534.69	3,258,634.16	40.327590	-104.572340
159.5	0.53	339.40	159.5	0.7	-0.3	1,363,535.37	3,258,633.89	40.327592	-104.572341
249.5	1.06	222.33	249.5	0.5	-1.0	1,363,535.14	3,258,633.19	40.327591	-104.572344
340.5	2.37	195.08	340.5	-2.0	-2.0	1,363,532.69	3,258,632.16	40.327585	-104.572348
456.5	4.84	203.52	456.2	-8.8	-4.6	1,363,525.86	3,258,629.65	40.327566	-104.572357
545.5	5.01	202.99	544.9	-15.8	-7.6	1,363,518.81	3,258,626.71	40.327547	-104.572368
629.5	7.30	208.97	628.4	-23.8	-11.6	1,363,510.72	3,258,622.77	40.327525	-104.572382
715.5	8.44	208.97	713.6	-34.1	-17.3	1,363,500.36	3,258,617.18	40.327496	-104.572402
801.5	9.58	215.30	798.5	-45.5	-24.5	1,363,488.92	3,258,610.11	40.327465	-104.572428
888.5	9.67	214.95	884.3	-57.4	-32.9	1,363,476.94	3,258,601.86	40.327432	-104.572458
977.5	12.22	218.99	971.7	-70.9	-43.1	1,363,463.38	3,258,591.79	40.327396	-104.572495
1,066.5	13.37	219.69	1,058.5	-86.1	-55.6	1,363,448.01	3,258,579.46	40.327354	-104.572540

# Ensign

## Survey Report - Geographic

<b>Company:</b>	PDC Energy Inc. DJ Basin	<b>Local Co-ordinate Reference:</b>	Well HEN 21N
<b>Project:</b>	SEC.8-T4N-R64W	<b>TVD Reference:</b>	Well @ 4807.5ft (P272 - RKB 28.5')
<b>Site:</b>	Hen Pad	<b>MD Reference:</b>	Well @ 4807.5ft (P272 - RKB 28.5')
<b>Well:</b>	HEN 21N	<b>North Reference:</b>	True
<b>Wellbore:</b>	HEN 21N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	HEN 21N Final Surveys	<b>Database:</b>	US_EDM

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,151.5	15.56	219.16	1,140.8	-102.5	-69.1	1,363,431.47	3,258,566.15	40.327309	-104.572588
1,237.5	17.06	221.80	1,223.3	-120.9	-84.8	1,363,412.96	3,258,550.65	40.327258	-104.572644
1,322.5	20.05	221.80	1,303.9	-141.0	-102.8	1,363,392.61	3,258,532.84	40.327203	-104.572709
1,407.5	21.81	220.57	1,383.3	-163.9	-122.8	1,363,369.55	3,258,513.10	40.327140	-104.572781
1,495.5	23.48	217.76	1,464.5	-190.2	-144.2	1,363,343.05	3,258,492.00	40.327068	-104.572857
1,582.5	24.36	218.29	1,544.0	-217.9	-165.9	1,363,315.04	3,258,470.57	40.326992	-104.572935
1,673.5	24.53	214.95	1,626.9	-248.2	-188.3	1,363,284.59	3,258,448.43	40.326909	-104.573016
1,816.0	24.09	215.69	1,756.7	-296.0	-222.3	1,363,236.37	3,258,415.02	40.326777	-104.573137
1,912.0	24.01	213.91	1,844.4	-328.1	-244.6	1,363,204.02	3,258,393.04	40.326689	-104.573217
2,009.0	24.06	207.31	1,933.0	-362.1	-264.7	1,363,169.86	3,258,373.31	40.326596	-104.573289
2,106.0	25.10	206.88	2,021.2	-398.0	-283.0	1,363,133.75	3,258,355.31	40.326498	-104.573355
2,201.0	25.07	206.34	2,107.2	-434.0	-301.1	1,363,097.56	3,258,337.65	40.326399	-104.573420
2,298.0	24.93	205.18	2,195.2	-470.9	-318.9	1,363,060.45	3,258,320.22	40.326297	-104.573484
2,393.0	24.64	206.44	2,281.4	-506.8	-336.2	1,363,024.43	3,258,303.26	40.326199	-104.573546
2,491.0	24.91	205.16	2,370.4	-543.8	-354.1	1,362,987.27	3,258,285.78	40.326097	-104.573610
2,589.0	24.53	204.99	2,459.4	-580.9	-371.5	1,362,949.97	3,258,268.80	40.325996	-104.573673
2,685.0	25.33	203.78	2,546.5	-617.7	-388.2	1,362,912.94	3,258,252.49	40.325894	-104.573732
2,780.0	25.41	205.88	2,632.3	-654.7	-405.3	1,362,875.83	3,258,235.78	40.325793	-104.573794
2,876.0	25.47	205.96	2,719.0	-691.8	-423.3	1,362,838.56	3,258,218.15	40.325691	-104.573858
2,972.0	25.22	205.75	2,805.7	-728.7	-441.2	1,362,801.40	3,258,200.62	40.325590	-104.573923
3,068.0	25.58	205.82	2,892.5	-765.8	-459.1	1,362,764.13	3,258,183.09	40.325488	-104.573987
3,165.0	25.93	204.43	2,979.8	-804.0	-477.0	1,362,725.79	3,258,165.60	40.325383	-104.574051
3,262.0	25.76	206.41	3,067.1	-842.2	-495.2	1,362,687.42	3,258,147.86	40.325278	-104.574116
3,359.0	25.45	204.90	3,154.6	-880.0	-513.3	1,362,649.45	3,258,130.10	40.325175	-104.574181
3,455.0	25.70	205.23	3,241.2	-917.5	-530.9	1,362,611.73	3,258,112.94	40.325072	-104.574244
3,552.0	25.52	204.83	3,328.7	-955.5	-548.6	1,362,573.56	3,258,095.60	40.324967	-104.574308
3,650.0	25.58	205.09	3,417.1	-993.8	-566.4	1,362,535.05	3,258,078.17	40.324862	-104.574372
3,749.0	25.58	205.21	3,506.4	-1,032.5	-584.6	1,362,496.18	3,258,060.41	40.324756	-104.574437
3,844.0	25.19	204.89	3,592.2	-1,069.4	-601.9	1,362,459.10	3,258,043.55	40.324655	-104.574499
3,942.0	25.84	204.88	3,680.7	-1,107.7	-619.6	1,362,420.63	3,258,026.19	40.324549	-104.574562
4,040.0	25.68	204.14	3,768.9	-1,146.4	-637.3	1,362,381.69	3,258,008.93	40.324443	-104.574626
4,136.0	24.95	204.98	3,855.7	-1,183.8	-654.3	1,362,344.18	3,257,992.26	40.324341	-104.574687
4,233.0	24.91	205.76	3,943.7	-1,220.7	-671.9	1,362,307.06	3,257,975.13	40.324239	-104.574750
4,328.0	25.03	205.64	4,029.8	-1,256.9	-689.3	1,362,270.75	3,257,958.12	40.324140	-104.574812
4,425.0	25.11	205.12	4,117.6	-1,294.0	-706.9	1,362,233.43	3,257,940.89	40.324038	-104.574875
4,520.0	25.13	204.80	4,203.7	-1,330.5	-723.9	1,362,196.70	3,257,924.26	40.323938	-104.574936
4,617.0	24.89	205.19	4,291.6	-1,367.7	-741.2	1,362,159.35	3,257,907.32	40.323836	-104.574999
4,713.0	25.15	205.75	4,378.5	-1,404.4	-758.7	1,362,122.52	3,257,890.25	40.323735	-104.575061
4,810.0	25.08	205.25	4,466.4	-1,441.5	-776.4	1,362,085.17	3,257,872.91	40.323633	-104.575125
4,906.0	24.79	205.47	4,553.4	-1,478.1	-793.7	1,362,048.42	3,257,855.96	40.323533	-104.575187
5,004.0	24.52	203.03	4,642.5	-1,515.4	-810.5	1,362,010.99	3,257,839.56	40.323430	-104.575247
5,102.0	24.79	206.04	4,731.6	-1,552.5	-827.5	1,361,973.64	3,257,822.98	40.323328	-104.575308
5,197.0	24.94	204.12	4,817.8	-1,588.7	-844.4	1,361,937.29	3,257,806.43	40.323229	-104.575369
5,293.0	24.78	205.87	4,904.9	-1,625.3	-861.5	1,361,900.54	3,257,789.76	40.323129	-104.575430
5,391.0	24.95	205.35	4,993.8	-1,662.5	-879.3	1,361,863.20	3,257,772.34	40.323027	-104.575494
5,487.0	24.54	204.69	5,081.0	-1,698.9	-896.3	1,361,826.61	3,257,755.73	40.322927	-104.575555
5,583.0	24.95	205.39	5,168.2	-1,735.3	-913.3	1,361,790.03	3,257,739.10	40.322827	-104.575616
5,680.0	25.17	205.03	5,256.0	-1,772.4	-930.8	1,361,752.68	3,257,721.99	40.322725	-104.575678
5,777.0	25.26	204.37	5,343.8	-1,810.0	-948.1	1,361,714.96	3,257,705.12	40.322622	-104.575740
5,873.0	25.13	205.12	5,430.6	-1,847.1	-965.2	1,361,677.67	3,257,688.41	40.322520	-104.575802
5,970.0	25.12	204.91	5,518.5	-1,884.4	-982.6	1,361,640.17	3,257,671.38	40.322417	-104.575864
6,068.0	25.23	205.46	5,607.2	-1,922.1	-1,000.3	1,361,602.26	3,257,654.04	40.322314	-104.575928
6,165.0	25.32	206.00	5,694.9	-1,959.5	-1,018.3	1,361,564.77	3,257,636.45	40.322211	-104.575992
6,262.0	25.18	205.62	5,782.6	-1,996.7	-1,036.3	1,361,527.34	3,257,618.83	40.322109	-104.576057
6,359.0	25.39	206.19	5,870.3	-2,034.0	-1,054.4	1,361,489.88	3,257,601.12	40.322007	-104.576122

# Ensign

## Survey Report - Geographic

<b>Company:</b>	PDC Energy Inc. DJ Basin	<b>Local Co-ordinate Reference:</b>	Well HEN 21N
<b>Project:</b>	SEC.8-T4N-R64W	<b>TVD Reference:</b>	Well @ 4807.5ft (P272 - RKB 28.5')
<b>Site:</b>	Hen Pad	<b>MD Reference:</b>	Well @ 4807.5ft (P272 - RKB 28.5')
<b>Well:</b>	HEN 21N	<b>North Reference:</b>	True
<b>Wellbore:</b>	HEN 21N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	HEN 21N Final Surveys	<b>Database:</b>	US_EDM

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,456.0	24.84	206.38	5,958.1	-2,070.9	-1,072.7	1,361,452.78	3,257,583.27	40.321906	-104.576187
6,553.0	24.76	206.25	6,046.2	-2,107.4	-1,090.7	1,361,416.13	3,257,565.62	40.321805	-104.576252
6,651.0	24.63	201.74	6,135.2	-2,144.7	-1,107.3	1,361,378.58	3,257,549.37	40.321703	-104.576311
6,747.0	21.23	178.59	6,223.8	-2,180.8	-1,114.3	1,361,342.47	3,257,542.75	40.321604	-104.576337
6,845.0	21.62	155.66	6,315.2	-2,215.0	-1,106.4	1,361,308.31	3,257,551.00	40.321510	-104.576308
6,943.0	26.23	141.02	6,404.8	-2,248.4	-1,085.3	1,361,275.20	3,257,572.44	40.321418	-104.576233
7,039.0	32.62	131.88	6,488.5	-2,282.2	-1,052.7	1,361,241.73	3,257,605.45	40.321326	-104.576115
7,137.0	37.50	126.01	6,568.7	-2,317.4	-1,008.8	1,361,206.99	3,257,649.65	40.321229	-104.575958
7,234.0	43.97	120.27	6,642.2	-2,351.8	-955.8	1,361,173.16	3,257,703.05	40.321135	-104.575768
7,330.0	50.92	114.26	6,707.1	-2,383.9	-892.9	1,361,141.66	3,257,766.24	40.321046	-104.575543
7,428.0	57.16	108.94	6,764.6	-2,413.0	-819.2	1,361,113.40	3,257,840.26	40.320967	-104.575278
7,526.0	62.79	104.86	6,813.7	-2,437.5	-738.1	1,361,089.69	3,257,921.66	40.320899	-104.574987
7,621.0	71.58	101.08	6,850.5	-2,457.1	-652.8	1,361,071.04	3,258,007.11	40.320846	-104.574681
7,718.0	79.81	96.85	6,874.4	-2,471.6	-560.1	1,361,057.44	3,258,100.00	40.320806	-104.574349
7,815.0	86.83	92.85	6,885.7	-2,479.7	-464.2	1,361,050.33	3,258,195.99	40.320783	-104.574005
7,912.0	90.08	92.30	6,888.3	-2,484.1	-367.3	1,361,046.99	3,258,292.88	40.320771	-104.573657
<b>LPL - 408' FSL &amp; 2394' FEL</b>									
8,007.0	89.89	91.58	6,888.4	-2,487.3	-272.4	1,361,044.77	3,258,387.85	40.320763	-104.573317
8,200.0	89.80	91.59	6,888.9	-2,492.7	-79.4	1,361,041.45	3,258,580.81	40.320748	-104.572625
8,297.0	90.07	92.35	6,889.0	-2,496.0	17.5	1,361,039.13	3,258,677.78	40.320739	-104.572277
8,395.0	90.42	91.80	6,888.6	-2,499.5	115.4	1,361,036.61	3,258,775.74	40.320729	-104.571926
8,492.0	89.85	90.81	6,888.3	-2,501.7	212.4	1,361,035.41	3,258,872.73	40.320723	-104.571578
8,590.0	90.11	91.11	6,888.4	-2,503.4	310.4	1,361,034.80	3,258,970.72	40.320718	-104.571227
8,783.0	89.46	90.28	6,889.1	-2,505.7	503.4	1,361,034.47	3,259,163.71	40.320712	-104.570535
8,879.0	90.09	90.64	6,889.5	-2,506.5	599.4	1,361,034.71	3,259,259.70	40.320710	-104.570191
8,976.0	90.35	90.75	6,889.1	-2,507.7	696.4	1,361,034.55	3,259,356.70	40.320707	-104.569843
9,073.0	90.71	90.92	6,888.2	-2,509.1	793.4	1,361,034.15	3,259,453.69	40.320703	-104.569495
9,168.0	90.30	91.03	6,887.4	-2,510.7	888.3	1,361,033.52	3,259,548.68	40.320698	-104.569155
9,262.0	90.82	90.71	6,886.4	-2,512.1	982.3	1,361,033.08	3,259,642.67	40.320694	-104.568817
9,361.0	90.08	90.53	6,885.7	-2,513.2	1,081.3	1,361,033.04	3,259,741.66	40.320691	-104.568462
9,459.0	91.19	91.18	6,884.6	-2,514.7	1,179.3	1,361,032.61	3,259,839.65	40.320687	-104.568111
9,556.0	90.19	90.74	6,883.4	-2,516.3	1,276.3	1,361,032.00	3,259,936.63	40.320683	-104.567763
9,753.0	90.43	91.15	6,882.3	-2,519.5	1,473.2	1,361,030.81	3,260,133.62	40.320674	-104.567057
9,851.0	90.79	91.03	6,881.3	-2,521.4	1,571.2	1,361,029.97	3,260,231.60	40.320669	-104.566706
9,948.0	90.45	89.87	6,880.3	-2,522.2	1,668.2	1,361,030.22	3,260,328.59	40.320667	-104.566358
10,142.0	90.79	89.87	6,878.2	-2,521.7	1,862.2	1,361,032.69	3,260,522.56	40.320668	-104.565662
10,239.0	90.50	89.87	6,877.1	-2,521.5	1,959.2	1,361,033.93	3,260,619.54	40.320668	-104.565314
10,335.0	90.58	89.61	6,876.2	-2,521.1	2,055.2	1,361,035.37	3,260,715.52	40.320670	-104.564970
10,432.0	90.33	89.73	6,875.4	-2,520.5	2,152.2	1,361,036.94	3,260,812.50	40.320671	-104.564622
10,528.0	90.36	90.32	6,874.8	-2,520.6	2,248.2	1,361,037.90	3,260,908.49	40.320671	-104.564278
10,625.0	90.67	89.63	6,873.9	-2,520.5	2,345.2	1,361,038.96	3,261,005.47	40.320671	-104.563930
10,722.0	90.43	89.97	6,873.0	-2,520.2	2,442.2	1,361,040.31	3,261,102.45	40.320672	-104.563582
10,818.0	90.79	88.18	6,872.0	-2,518.6	2,538.2	1,361,042.87	3,261,198.41	40.320676	-104.563238
10,914.0	90.60	90.19	6,870.8	-2,517.3	2,634.1	1,361,045.23	3,261,294.36	40.320680	-104.562894
11,010.0	90.77	89.74	6,869.7	-2,517.2	2,730.1	1,361,046.30	3,261,390.34	40.320680	-104.562550
11,107.0	90.47	90.15	6,868.6	-2,517.1	2,827.1	1,361,047.40	3,261,487.33	40.320680	-104.562202
11,204.0	90.72	89.99	6,867.6	-2,517.2	2,924.1	1,361,048.30	3,261,584.31	40.320680	-104.561854
11,299.0	90.54	90.37	6,866.6	-2,517.5	3,019.1	1,361,049.00	3,261,679.30	40.320679	-104.561513
11,397.0	90.67	89.97	6,865.5	-2,517.8	3,117.1	1,361,049.73	3,261,777.29	40.320678	-104.561162
11,494.0	90.74	89.98	6,864.3	-2,517.8	3,214.1	1,361,050.79	3,261,874.27	40.320678	-104.560814
11,591.0	90.24	90.45	6,863.5	-2,518.1	3,311.1	1,361,051.44	3,261,971.26	40.320677	-104.560466
11,689.0	90.66	90.75	6,862.7	-2,519.2	3,409.1	1,361,051.44	3,262,069.25	40.320674	-104.560115
11,784.0	90.73	90.54	6,861.6	-2,520.2	3,504.1	1,361,051.36	3,262,164.24	40.320671	-104.559774
11,882.0	89.69	92.07	6,861.2	-2,522.5	3,602.0	1,361,050.15	3,262,262.22	40.320665	-104.559423
11,979.0	90.89	91.89	6,860.7	-2,525.8	3,699.0	1,361,047.82	3,262,359.19	40.320656	-104.559075

# Ensign

## Survey Report - Geographic

<b>Company:</b>	PDC Energy Inc. DJ Basin	<b>Local Co-ordinate Reference:</b>	Well HEN 21N
<b>Project:</b>	SEC.8-T4N-R64W	<b>TVD Reference:</b>	Well @ 4807.5ft (P272 - RKB 28.5')
<b>Site:</b>	Hen Pad	<b>MD Reference:</b>	Well @ 4807.5ft (P272 - RKB 28.5')
<b>Well:</b>	HEN 21N	<b>North Reference:</b>	True
<b>Wellbore:</b>	HEN 21N	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	HEN 21N Final Surveys	<b>Database:</b>	US_EDM

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
12,076.0	90.95	91.97	6,859.2	-2,529.1	3,795.9	1,361,045.57	3,262,456.14	40.320647	-104.558727
12,173.0	91.19	91.93	6,857.4	-2,532.4	3,892.8	1,361,043.28	3,262,553.10	40.320638	-104.558380
12,267.0	90.66	90.19	6,855.9	-2,534.1	3,986.8	1,361,042.52	3,262,647.07	40.320633	-104.558043
12,365.0	90.33	93.43	6,855.0	-2,537.2	4,084.7	1,361,040.45	3,262,745.03	40.320625	-104.557692
12,463.0	90.39	93.80	6,854.4	-2,543.4	4,182.5	1,361,035.30	3,262,842.89	40.320608	-104.557341
12,561.0	89.27	92.23	6,854.7	-2,548.5	4,280.4	1,361,031.17	3,262,940.79	40.320593	-104.556990
12,658.0	89.29	90.58	6,855.9	-2,550.9	4,377.4	1,361,029.81	3,263,037.77	40.320587	-104.556642
12,756.0	89.31	89.34	6,857.1	-2,550.9	4,475.3	1,361,030.90	3,263,135.75	40.320587	-104.556291
12,852.0	88.96	90.27	6,858.6	-2,550.5	4,571.3	1,361,032.23	3,263,231.72	40.320588	-104.555947
12,950.0	88.83	89.82	6,860.4	-2,550.6	4,669.3	1,361,033.18	3,263,329.69	40.320588	-104.555595
13,045.0	89.32	89.63	6,862.0	-2,550.1	4,764.3	1,361,034.63	3,263,424.67	40.320589	-104.555255
13,142.0	89.33	89.17	6,863.1	-2,549.1	4,861.3	1,361,036.66	3,263,521.63	40.320592	-104.554907
13,240.0	89.66	89.25	6,864.0	-2,547.8	4,959.3	1,361,039.03	3,263,619.60	40.320595	-104.554555
13,337.0	89.53	89.23	6,864.7	-2,546.5	5,056.3	1,361,041.33	3,263,716.56	40.320599	-104.554208
13,433.0	89.40	89.02	6,865.6	-2,545.0	5,152.3	1,361,043.80	3,263,812.52	40.320603	-104.553863
13,528.0	89.56	89.10	6,866.4	-2,543.5	5,247.2	1,361,046.36	3,263,907.48	40.320607	-104.553523
13,626.0	90.87	88.51	6,866.1	-2,541.4	5,345.2	1,361,049.42	3,264,005.42	40.320612	-104.553171
13,724.0	90.72	88.77	6,864.7	-2,539.1	5,443.2	1,361,052.77	3,264,103.35	40.320619	-104.552820
13,821.0	90.82	89.45	6,863.4	-2,537.6	5,540.2	1,361,055.30	3,264,200.31	40.320623	-104.552472
13,918.0	91.01	89.97	6,861.8	-2,537.1	5,637.1	1,361,056.80	3,264,297.28	40.320624	-104.552125
14,015.0	90.51	90.34	6,860.6	-2,537.4	5,734.1	1,361,057.55	3,264,394.26	40.320623	-104.551777
14,111.0	90.84	90.54	6,859.4	-2,538.1	5,830.1	1,361,057.82	3,264,490.25	40.320621	-104.551432
14,209.0	89.94	90.90	6,858.8	-2,539.3	5,928.1	1,361,057.61	3,264,588.24	40.320618	-104.551081
14,306.0	90.04	90.70	6,858.8	-2,540.7	6,025.1	1,361,057.27	3,264,685.24	40.320614	-104.550733
14,402.0	90.24	90.30	6,858.5	-2,541.5	6,121.1	1,361,057.44	3,264,781.23	40.320612	-104.550389
14,499.0	90.22	90.02	6,858.2	-2,541.8	6,218.1	1,361,058.18	3,264,878.22	40.320611	-104.550041
14,594.0	90.42	89.97	6,857.6	-2,541.8	6,313.1	1,361,059.19	3,264,973.21	40.320611	-104.549700
14,692.0	90.27	90.61	6,857.0	-2,542.3	6,411.1	1,361,059.72	3,265,071.20	40.320609	-104.549349
14,788.0	90.47	90.39	6,856.4	-2,543.1	6,507.1	1,361,059.88	3,265,167.20	40.320607	-104.549005
14,884.0	90.38	90.24	6,855.7	-2,543.7	6,603.1	1,361,060.36	3,265,263.19	40.320605	-104.548660
14,982.0	90.60	89.87	6,854.9	-2,543.7	6,701.1	1,361,061.29	3,265,361.18	40.320605	-104.548309
15,078.0	90.23	90.16	6,854.2	-2,543.8	6,797.1	1,361,062.27	3,265,457.17	40.320605	-104.547965
15,174.0	90.27	90.33	6,853.7	-2,544.2	6,893.1	1,361,062.86	3,265,553.16	40.320604	-104.547621
15,271.0	90.42	89.99	6,853.2	-2,544.5	6,990.1	1,361,063.61	3,265,650.15	40.320603	-104.547273
15,353.0	90.50	90.01	6,852.5	-2,544.5	7,072.1	1,361,064.46	3,265,732.14	40.320603	-104.546979
15,388.0	90.50	90.01	6,852.2	-2,544.5	7,107.1	1,361,064.82	3,265,767.13	40.320603	-104.546853
<b>BHL - 350' FSL &amp; 205' FEL</b>									

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
7,912.0	6,888.3	-2,484.1	-367.3	LPL - 408' FSL & 2394' FEL
15,388.0	6,852.2	-2,544.5	7,107.1	BHL - 350' FSL & 205' FEL

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_