



B.P.

La Plata County, CO NAD83

Le Platt Pad

Le Platt B2

Lateral 2 Lemon

Plan: Plan #5

Standard Planning Report

21 September, 2017





Database:	Grand Junction District	Local Co-ordinate Reference:	Well Le Platt B2
Company:	B.P.	TVD Reference:	GL 6870' & RKB 11' @ 6881.00usft (Aztec 507)
Project:	La Plata County, CO NAD83	MD Reference:	GL 6870' & RKB 11' @ 6881.00usft (Aztec 507)
Site:	Le Platt Pad	North Reference:	Grid
Well:	Le Platt B2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral 2 Lemon		
Design:	Plan #5		

Project	La Plata County, CO NAD83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Southern Zone		

Site		Le Platt Pad			
Site Position:		Northing:	1,208,776.39 usft	Latitude:	37.2210905
From:	Map	Easting:	2,387,416.08 usft	Longitude:	-107.6039370
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	-1.29 °

Well	Le Platt B2					
Well Position	+N/-S	0.00 usft	Northing:	1,208,776.39 usft	Latitude:	37.2210905
	+E/-W	0.00 usft	Easting:	2,387,416.08 usft	Longitude:	-107.6039370
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	6,863.00 usft

Wellbore	Lateral 2 Lemon				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	2/14/2017	9.27	63.73	50,221

Design	Plan #5				
Audit Notes:					
Version:	Phase:	PLAN		Tie On Depth:	2,357.37
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	11.20	

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
2,357.37	65.00	15.90	1,953.85	1,058.14	301.42	0.00	0.00	0.00	0.00	
2,547.69	95.00	40.00	1,987.00	1,219.69	389.24	20.00	15.76	12.66	41.28	
2,847.69	95.00	40.00	1,960.85	1,448.63	581.34	0.00	0.00	0.00	0.00	
3,605.33	94.09	2.00	1,898.54	2,140.74	846.87	5.00	-0.12	-5.01	-89.77	
6,207.84	94.09	2.00	1,713.00	4,735.04	937.68	0.00	0.00	0.00	0.00	LPB2 Lat 2 PBHL



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Site:	Le Platt Pad	North Reference:	Grid
Well:	Le Platt B2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Lateral 2 Lemon		
Design:	Plan #5		

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)
2,357.37	65.00	15.90	1,953.85	1,058.14	301.42	1,096.54	0.00	0.00	0.00
2,400.00	71.52	21.82	1,969.64	1,095.56	314.25	1,135.73	20.00	15.29	13.89
2,500.00	87.36	34.29	1,987.98	1,181.73	360.48	1,229.24	20.00	15.84	12.47
2,547.69	95.00	40.00	1,987.00	1,219.69	389.24	1,272.07	20.00	16.02	11.98
2,600.00	95.00	40.00	1,982.44	1,259.61	422.73	1,317.74	0.00	0.00	0.00
2,700.00	95.00	40.00	1,973.73	1,335.92	486.77	1,405.03	0.00	0.00	0.00
2,800.00	95.00	40.00	1,965.01	1,412.24	550.80	1,492.33	0.00	0.00	0.00
2,847.69	95.00	40.00	1,960.85	1,448.63	581.34	1,533.96	0.00	0.00	0.00
2,900.00	95.01	37.37	1,956.29	1,489.30	613.91	1,580.19	5.00	0.01	-5.02
3,000.00	94.99	32.36	1,947.58	1,571.02	670.84	1,671.40	5.00	-0.02	-5.02
3,100.00	94.93	27.34	1,938.93	1,657.40	720.40	1,765.77	5.00	-0.06	-5.02
3,200.00	94.84	22.32	1,930.41	1,747.80	762.23	1,862.57	5.00	-0.09	-5.02
3,300.00	94.70	17.30	1,922.09	1,841.52	795.99	1,961.07	5.00	-0.13	-5.02
3,400.00	94.54	12.29	1,914.03	1,937.86	821.44	2,060.52	5.00	-0.17	-5.01
3,500.00	94.34	7.28	1,906.29	2,036.08	838.38	2,160.15	5.00	-0.20	-5.01
3,600.00	94.10	2.27	1,898.92	2,135.43	846.67	2,259.23	5.00	-0.23	-5.01
3,605.33	94.09	2.00	1,898.54	2,140.74	846.87	2,264.47	5.00	-0.25	-5.01
3,700.00	94.09	2.00	1,891.79	2,235.11	850.18	2,357.69	0.00	0.00	0.00
3,800.00	94.09	2.00	1,884.66	2,334.80	853.67	2,456.15	0.00	0.00	0.00
3,900.00	94.09	2.00	1,877.54	2,434.48	857.15	2,554.62	0.00	0.00	0.00
4,000.00	94.09	2.00	1,870.41	2,534.17	860.64	2,653.08	0.00	0.00	0.00
4,100.00	94.09	2.00	1,863.28	2,633.85	864.13	2,751.54	0.00	0.00	0.00
4,200.00	94.09	2.00	1,856.15	2,733.54	867.62	2,850.01	0.00	0.00	0.00
4,300.00	94.09	2.00	1,849.02	2,833.22	871.11	2,948.47	0.00	0.00	0.00
4,400.00	94.09	2.00	1,841.89	2,932.91	874.60	3,046.93	0.00	0.00	0.00
4,500.00	94.09	2.00	1,834.76	3,032.59	878.09	3,145.40	0.00	0.00	0.00
4,600.00	94.09	2.00	1,827.63	3,132.28	881.58	3,243.86	0.00	0.00	0.00
4,700.00	94.09	2.00	1,820.50	3,231.96	885.07	3,342.32	0.00	0.00	0.00
4,800.00	94.09	2.00	1,813.37	3,331.64	888.56	3,440.79	0.00	0.00	0.00
4,900.00	94.09	2.00	1,806.24	3,431.33	892.05	3,539.25	0.00	0.00	0.00
5,000.00	94.09	2.00	1,799.11	3,531.01	895.54	3,637.71	0.00	0.00	0.00
5,100.00	94.09	2.00	1,791.98	3,630.70	899.03	3,736.18	0.00	0.00	0.00
5,200.00	94.09	2.00	1,784.85	3,730.38	902.51	3,834.64	0.00	0.00	0.00
5,300.00	94.09	2.00	1,777.72	3,830.07	906.00	3,933.10	0.00	0.00	0.00
5,400.00	94.09	2.00	1,770.59	3,929.75	909.49	4,031.57	0.00	0.00	0.00
5,500.00	94.09	2.00	1,763.46	4,029.44	912.98	4,130.03	0.00	0.00	0.00
5,600.00	94.09	2.00	1,756.34	4,129.12	916.47	4,228.49	0.00	0.00	0.00
5,700.00	94.09	2.00	1,749.21	4,228.80	919.96	4,326.96	0.00	0.00	0.00
5,800.00	94.09	2.00	1,742.08	4,328.49	923.45	4,425.42	0.00	0.00	0.00
5,900.00	94.09	2.00	1,734.95	4,428.17	926.94	4,523.88	0.00	0.00	0.00
6,000.00	94.09	2.00	1,727.82	4,527.86	930.43	4,622.35	0.00	0.00	0.00
6,100.00	94.09	2.00	1,720.69	4,627.54	933.92	4,720.81	0.00	0.00	0.00
6,200.00	94.09	2.00	1,713.56	4,727.23	937.41	4,819.27	0.00	0.00	0.00
6,207.84	94.09	2.00	1,713.00	4,735.04	937.68	4,826.99	0.00	0.00	0.00
LPB2 Lat 2 PBHL									



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Wellbore:	Lateral 2 Lemon		
Design:	Plan #5		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
LPB2 Lat 2 PBHL	0.00	360.00	1,713.00	4,735.04	937.68	1,213,511.43	2,388,353.76	37.2341495	-107.6010833
- plan hits target center									
- Point									