



US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

WELD_ EVERIST 4 PAD

P_ EVERIST 28-5

P_ EVERIST 28-5

Plan: PLAN #1 3-16-10 RHS

Standard Planning Report

16 March, 2010





Azimuths to True North
Magnetic North: 9.09°
Magnetic Field
Strength: 53132.1nT
Dip Angle: 66.89°
Date: 3/16/2010
Model: IGRF2010

WELL DETAILS: P_EVERIST 28-5

+N/-S	+E/-W	Northing	Ground Level: Easting	4808.00 Latitude	Longitude	Slot
0.00	0.00	1309399.26	3164822.30	40° 10' 52.291 N	104° 54' 36.360 W	

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3696.00	3956.56	PARKMAN
4134.00	4438.91	SUSSEX
4660.00	5018.17	SHANNON
7025.00	7516.55	NIO A
7280.00	7771.55	CODELL
7710.00	8201.55	JSAND

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	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	
1538.13	24.76	202.92	1499.94	-242.62	-102.58	2.00	202.92	263.41	
6053.42	24.76	202.92	5600.06	-1984.58	-839.11	0.00	0.00	2154.68	
7291.55	0.00	0.00	6800.00	-2227.20	-941.70	2.00	180.00	2418.10	
8351.55	0.00	0.00	7860.00	-2227.20	-941.70	0.00	0.00	2418.10	PBHL_P EVERIST 28-5(50 FNL 2550 FEL)50' TGT RAD

CASING DETAILS

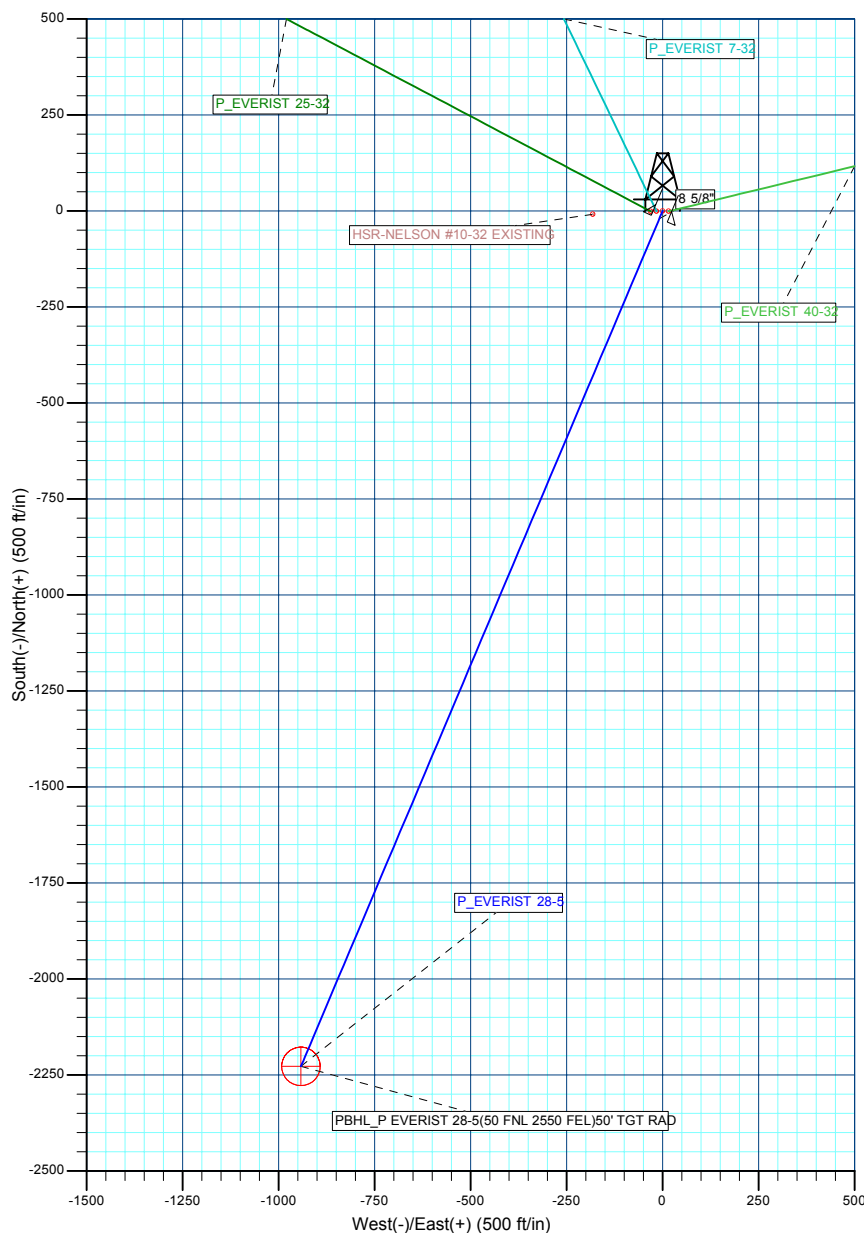
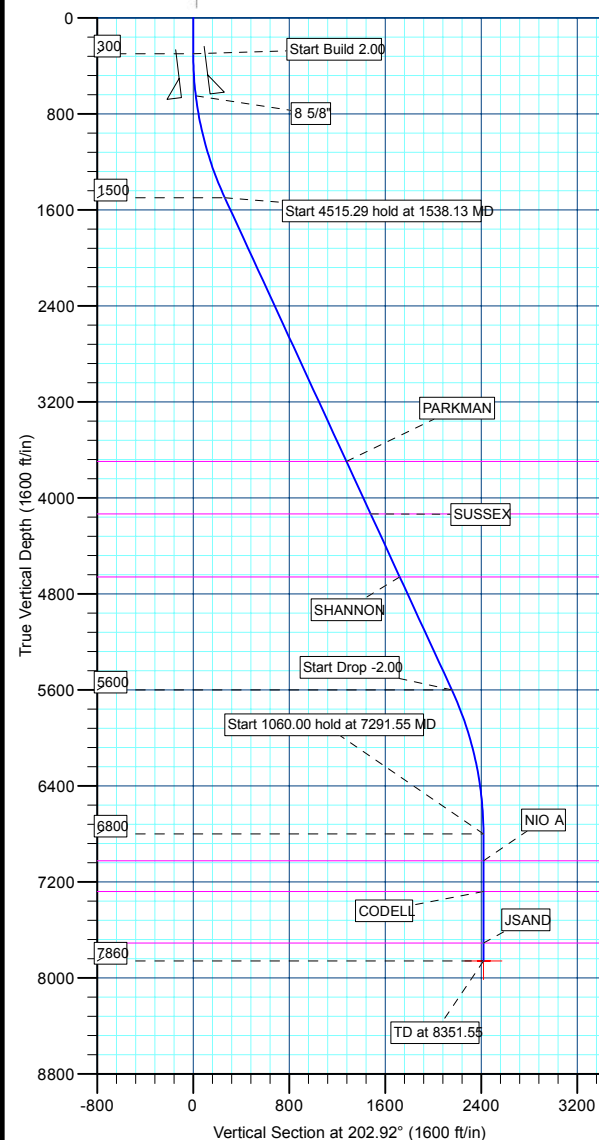
TVD	MD	Name	Size
650.00	650.88	8 5/8"	8.62

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	7860.00	-2227.20	-941.70	1307165.85	3163895.45	40° 10' 30.281 N	104° 54' 48.492 W	Circle (Radius: 50.00)



KB ELEV: WELL @ 4823.00ft (Original Well Elev)
GRD ELEV: 4808.00



Plan: PLAN #1 3-16-10 RHS (P_EVERIST 28-5/P_EVERIST 28-5)

Created By: Robert H. Scott

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_EVERIST 28-5
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 4823.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4823.00ft (Original Well Elev)
Site:	WELD_EVERIST 4 PAD	North Reference:	True
Well:	P_EVERIST 28-5	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_EVERIST 28-5		
Design:	PLAN #1 3-16-10 RHS		

Project	COLORADO NORTHERN ZONE - 83, KERR MCGEE OIL & GAS ONSHORE LP		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site						WELD_EVERIST 4 PAD, SECTION 32 T3N R67W											
Site Position:			Northing:			1,309,398.33 ft			Latitude:			40° 10' 52.284 N					
From:			Lat/Long			Easting:			3,164,791.57 ft			Longitude:			104° 54' 36.756 W		
Position Uncertainty:			0.00 ft			Slot Radius:			in			Grid Convergence:			0.38 °		

Well	P_EVERIST 28-5					
Well Position	+N/-S	0.72 ft	Northing:	1,309,399.26 ft	Latitude:	40° 10' 52.291 N
	+E/-W	30.74 ft	Easting:	3,164,822.30 ft	Longitude:	104° 54' 36.360 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	4,808.00 ft

Wellbore	P_EVERIST 28-5				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/16/2010	9.09	66.89	53,132

Design	PLAN #1 3-16-10 RHS			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	202.92

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	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	
1,538.13	24.76	202.92	1,499.94	-242.62	-102.58	2.00	2.00	0.00	202.92	
6,053.42	24.76	202.92	5,600.06	-1,984.58	-839.11	0.00	0.00	0.00	0.00	
7,291.55	0.00	0.00	6,800.00	-2,227.20	-941.70	2.00	-2.00	0.00	180.00	
8,351.55	0.00	0.00	7,860.00	-2,227.20	-941.70	0.00	0.00	0.00	0.00	PBHL_P EVERIST

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_EVERIST 28-5
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 4823.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4823.00ft (Original Well Elev)
Site:	WELD_EVERIST 4 PAD	North Reference:	True
Well:	P_EVERIST 28-5	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_EVERIST 28-5		
Design:	PLAN #1 3-16-10 RHS		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
Start Build 2.00									
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	2.00	202.92	399.98	-1.61	-0.68	1.75	2.00	2.00	0.00
500.00	4.00	202.92	499.84	-6.43	-2.72	6.98	2.00	2.00	0.00
600.00	6.00	202.92	599.45	-14.45	-6.11	15.69	2.00	2.00	0.00
8 5/8"									
650.88	7.02	202.92	650.00	-19.77	-8.36	21.46	2.00	2.00	0.00
700.00	8.00	202.92	698.70	-25.68	-10.86	27.88	2.00	2.00	0.00
800.00	10.00	202.92	797.47	-40.09	-16.95	43.52	2.00	2.00	0.00
900.00	12.00	202.92	895.62	-57.66	-24.38	62.60	2.00	2.00	0.00
1,000.00	14.00	202.92	993.06	-78.38	-33.14	85.10	2.00	2.00	0.00
1,100.00	16.00	202.92	1,089.64	-102.22	-43.22	110.98	2.00	2.00	0.00
1,200.00	18.00	202.92	1,185.27	-129.14	-54.60	140.21	2.00	2.00	0.00
1,300.00	20.00	202.92	1,279.82	-159.13	-67.28	172.77	2.00	2.00	0.00
1,400.00	22.00	202.92	1,373.17	-192.13	-81.24	208.60	2.00	2.00	0.00
1,500.00	24.00	202.92	1,465.21	-228.12	-96.45	247.67	2.00	2.00	0.00
Start 4515.29 hold at 1538.13 MD									
1,538.13	24.76	202.92	1,499.94	-242.62	-102.58	263.41	2.00	2.00	0.00
1,600.00	24.76	202.92	1,556.13	-266.49	-112.68	289.33	0.00	0.00	0.00
1,700.00	24.76	202.92	1,646.93	-305.07	-128.99	331.21	0.00	0.00	0.00
1,800.00	24.76	202.92	1,737.74	-343.65	-145.30	373.10	0.00	0.00	0.00
1,900.00	24.76	202.92	1,828.54	-382.23	-161.61	414.99	0.00	0.00	0.00
2,000.00	24.76	202.92	1,919.35	-420.80	-177.92	456.87	0.00	0.00	0.00
2,100.00	24.76	202.92	2,010.15	-459.38	-194.23	498.76	0.00	0.00	0.00
2,200.00	24.76	202.92	2,100.96	-497.96	-210.55	540.64	0.00	0.00	0.00
2,300.00	24.76	202.92	2,191.76	-536.54	-226.86	582.53	0.00	0.00	0.00
2,400.00	24.76	202.92	2,282.57	-575.12	-243.17	624.42	0.00	0.00	0.00
2,500.00	24.76	202.92	2,373.37	-613.70	-259.48	666.30	0.00	0.00	0.00
2,600.00	24.76	202.92	2,464.18	-652.28	-275.79	708.19	0.00	0.00	0.00
2,700.00	24.76	202.92	2,554.98	-690.86	-292.11	750.07	0.00	0.00	0.00
2,800.00	24.76	202.92	2,645.79	-729.44	-308.42	791.96	0.00	0.00	0.00
2,900.00	24.76	202.92	2,736.59	-768.02	-324.73	833.85	0.00	0.00	0.00
3,000.00	24.76	202.92	2,827.40	-806.60	-341.04	875.73	0.00	0.00	0.00
3,100.00	24.76	202.92	2,918.20	-845.18	-357.35	917.62	0.00	0.00	0.00
3,200.00	24.76	202.92	3,009.01	-883.75	-373.67	959.50	0.00	0.00	0.00
3,300.00	24.76	202.92	3,099.81	-922.33	-389.98	1,001.39	0.00	0.00	0.00
3,400.00	24.76	202.92	3,190.62	-960.91	-406.29	1,043.28	0.00	0.00	0.00
3,500.00	24.76	202.92	3,281.42	-999.49	-422.60	1,085.16	0.00	0.00	0.00
3,600.00	24.76	202.92	3,372.23	-1,038.07	-438.91	1,127.05	0.00	0.00	0.00
3,700.00	24.76	202.92	3,463.03	-1,076.65	-455.23	1,168.93	0.00	0.00	0.00
3,800.00	24.76	202.92	3,553.84	-1,115.23	-471.54	1,210.82	0.00	0.00	0.00
3,900.00	24.76	202.92	3,644.64	-1,153.81	-487.85	1,252.71	0.00	0.00	0.00
PARKMAN									
3,956.56	24.76	202.92	3,696.00	-1,175.63	-497.07	1,276.40	0.00	0.00	0.00
4,000.00	24.76	202.92	3,735.45	-1,192.39	-504.16	1,294.59	0.00	0.00	0.00
4,100.00	24.76	202.92	3,826.25	-1,230.97	-520.47	1,336.48	0.00	0.00	0.00
4,200.00	24.76	202.92	3,917.06	-1,269.55	-536.78	1,378.36	0.00	0.00	0.00
4,300.00	24.76	202.92	4,007.86	-1,308.13	-553.10	1,420.25	0.00	0.00	0.00
4,400.00	24.76	202.92	4,098.67	-1,346.70	-569.41	1,462.14	0.00	0.00	0.00
SUSSEX									
4,438.91	24.76	202.92	4,134.00	-1,361.72	-575.76	1,478.43	0.00	0.00	0.00
4,500.00	24.76	202.92	4,189.47	-1,385.28	-585.72	1,504.02	0.00	0.00	0.00
4,600.00	24.76	202.92	4,280.28	-1,423.86	-602.03	1,545.91	0.00	0.00	0.00

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Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4823.00ft (Original Well Elev)
Site:	WELD_EVERIST 4 PAD	North Reference:	True
Well:	P_EVERIST 28-5	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_EVERIST 28-5		
Design:	PLAN #1 3-16-10 RHS		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,700.00	24.76	202.92	4,371.08	-1,462.44	-618.34	1,587.79	0.00	0.00	0.00
4,800.00	24.76	202.92	4,461.89	-1,501.02	-634.66	1,629.68	0.00	0.00	0.00
4,900.00	24.76	202.92	4,552.69	-1,539.60	-650.97	1,671.56	0.00	0.00	0.00
5,000.00	24.76	202.92	4,643.50	-1,578.18	-667.28	1,713.45	0.00	0.00	0.00
SHANNON									
5,018.17	24.76	202.92	4,660.00	-1,585.19	-670.24	1,721.06	0.00	0.00	0.00
5,100.00	24.76	202.92	4,734.30	-1,616.76	-683.59	1,755.34	0.00	0.00	0.00
5,200.00	24.76	202.92	4,825.11	-1,655.34	-699.90	1,797.22	0.00	0.00	0.00
5,300.00	24.76	202.92	4,915.91	-1,693.92	-716.22	1,839.11	0.00	0.00	0.00
5,400.00	24.76	202.92	5,006.72	-1,732.50	-732.53	1,880.99	0.00	0.00	0.00
5,500.00	24.76	202.92	5,097.52	-1,771.08	-748.84	1,922.88	0.00	0.00	0.00
5,600.00	24.76	202.92	5,188.33	-1,809.65	-765.15	1,964.77	0.00	0.00	0.00
5,700.00	24.76	202.92	5,279.13	-1,848.23	-781.46	2,006.65	0.00	0.00	0.00
5,800.00	24.76	202.92	5,369.94	-1,886.81	-797.78	2,048.54	0.00	0.00	0.00
5,900.00	24.76	202.92	5,460.74	-1,925.39	-814.09	2,090.42	0.00	0.00	0.00
6,000.00	24.76	202.92	5,551.55	-1,963.97	-830.40	2,132.31	0.00	0.00	0.00
Start Drop -2.00									
6,053.42	24.76	202.92	5,600.06	-1,984.58	-839.11	2,154.68	0.00	0.00	0.00
6,100.00	23.83	202.92	5,642.51	-2,002.23	-846.58	2,173.85	2.00	-2.00	0.00
6,200.00	21.83	202.92	5,734.67	-2,037.97	-861.69	2,212.65	2.00	-2.00	0.00
6,300.00	19.83	202.92	5,828.13	-2,070.72	-875.53	2,248.21	2.00	-2.00	0.00
6,400.00	17.83	202.92	5,922.77	-2,100.45	-888.10	2,280.49	2.00	-2.00	0.00
6,500.00	15.83	202.92	6,018.49	-2,127.12	-899.38	2,309.44	2.00	-2.00	0.00
6,600.00	13.83	202.92	6,115.15	-2,150.69	-909.35	2,335.03	2.00	-2.00	0.00
6,700.00	11.83	202.92	6,212.65	-2,171.15	-918.00	2,357.24	2.00	-2.00	0.00
6,800.00	9.83	202.92	6,310.86	-2,188.45	-925.31	2,376.03	2.00	-2.00	0.00
6,900.00	7.83	202.92	6,409.67	-2,202.59	-931.29	2,391.38	2.00	-2.00	0.00
7,000.00	5.83	202.92	6,508.96	-2,213.55	-935.92	2,403.28	2.00	-2.00	0.00
7,100.00	3.83	202.92	6,608.59	-2,221.30	-939.20	2,411.70	2.00	-2.00	0.00
7,200.00	1.83	202.92	6,708.47	-2,225.85	-941.13	2,416.64	2.00	-2.00	0.00
Start 1060.00 hold at 7291.55 MD									
7,291.55	0.00	0.00	6,800.00	-2,227.20	-941.70	2,418.10	2.00	-2.00	0.00
7,300.00	0.00	0.00	6,808.45	-2,227.20	-941.70	2,418.10	0.00	0.00	0.00
7,400.00	0.00	0.00	6,908.45	-2,227.20	-941.70	2,418.10	0.00	0.00	0.00
7,500.00	0.00	0.00	7,008.45	-2,227.20	-941.70	2,418.10	0.00	0.00	0.00
NIO A									
7,516.55	0.00	0.00	7,025.00	-2,227.20	-941.70	2,418.10	0.00	0.00	0.00
7,600.00	0.00	0.00	7,108.45	-2,227.20	-941.70	2,418.10	0.00	0.00	0.00
7,700.00	0.00	0.00	7,208.45	-2,227.20	-941.70	2,418.10	0.00	0.00	0.00
CODELL									
7,771.55	0.00	0.00	7,280.00	-2,227.20	-941.70	2,418.10	0.00	0.00	0.00
7,800.00	0.00	0.00	7,308.45	-2,227.20	-941.70	2,418.10	0.00	0.00	0.00
7,900.00	0.00	0.00	7,408.45	-2,227.20	-941.70	2,418.10	0.00	0.00	0.00
8,000.00	0.00	0.00	7,508.45	-2,227.20	-941.70	2,418.10	0.00	0.00	0.00
8,100.00	0.00	0.00	7,608.45	-2,227.20	-941.70	2,418.10	0.00	0.00	0.00
8,200.00	0.00	0.00	7,708.45	-2,227.20	-941.70	2,418.10	0.00	0.00	0.00
JSAND									
8,201.55	0.00	0.00	7,710.00	-2,227.20	-941.70	2,418.10	0.00	0.00	0.00
8,300.00	0.00	0.00	7,808.45	-2,227.20	-941.70	2,418.10	0.00	0.00	0.00
PBHL_P EVERIST 28-5(50 FNL 2550 FEL)50' TGT RAD									
8,351.55	0.00	0.00	7,860.00	-2,227.20	-941.70	2,418.10	0.00	0.00	0.00

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Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 4823.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4823.00ft (Original Well Elev)
Site:	WELD_EVERIST 4 PAD	North Reference:	True
Well:	P_EVERIST 28-5	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_EVERIST 28-5		
Design:	PLAN #1 3-16-10 RHS		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
PBHL_P EVERIST 28	0.00	0.00	7,860.00	-2,227.20	-941.70	1,307,165.85	3,163,895.45	40° 10' 30.281 N	104° 54' 48.492 W
- plan hits target center									
- Circle (radius 50.00)									

Casing Points					
	Measured Depth	Vertical Depth		Casing Diameter	Hole Diameter
	(ft)	(ft)	Name	(in)	(in)
	650.88	650.00	8 5/8"	8.62	11.00

Formations						
	Measured Depth	Vertical Depth			Dip	Dip Direction
	(ft)	(ft)	Name	Lithology	(°)	(°)
	3,956.56	3,696.00	PARKMAN		0.00	
	4,438.91	4,134.00	SUSSEX		0.00	
	5,018.17	4,660.00	SHANNON		0.00	
	7,516.55	7,025.00	NIO A		0.00	
	7,771.55	7,280.00	CODELL		0.00	
	8,201.55	7,710.00	JSAND		0.00	

Plan Annotations					
	Measured Depth	Vertical Depth	Local Coordinates		
	(ft)	(ft)	+N/-S	+E/-W	Comment
	(ft)	(ft)	(ft)	(ft)	
	300.00	300.00	0.00	0.00	Start Build 2.00
	1,538.13	1,499.94	-242.62	-102.58	Start 4515.29 hold at 1538.13 MD
	6,053.42	5,600.06	-1,984.58	-839.11	Start Drop -2.00
	7,291.55	6,800.00	-2,227.20	-941.70	Start 1060.00 hold at 7291.55 MD
	8,351.55	7,860.00	-2,227.20	-941.70	TD at 8351.55



US ROCKIES REGION PLANNING

**COLORADO NORTHERN ZONE - 83
WELD_EVERIST 4 PAD
P_EVERIST 28-5**

**P_EVERIST 28-5
PLAN #1 3-16-10 RHS**

Anticollision Report

16 March, 2010



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_EVERIST 28-5
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4823.00ft (Original Well Elev)
Reference Site:	WELD_EVERIST 4 PAD	MD Reference:	WELL @ 4823.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_EVERIST 28-5	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_EVERIST 28-5	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 3-16-10 RHS	Offset TVD Reference:	Offset Datum

Reference	PLAN #1 3-16-10 RHS		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	0.00 to 20,000.00ft	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 10,000.00ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 3/16/2010			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	8,351.55	PLAN #1 3-16-10 RHS (P_EVERIST 28-5)	MWD	MWD - Standard

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
WELD_EVERIST 4 PAD						
HSR-NELSON #10-32 EXISTING - HSR-NELSON #10-3	970.55	964.45	164.15	125.42	4.239	CC
HSR-NELSON #10-32 EXISTING - HSR-NELSON #10-3	1,100.00	1,089.64	167.41	123.13	3.781	ES
HSR-NELSON #10-32 EXISTING - HSR-NELSON #10-3	1,200.00	1,185.27	175.50	127.12	3.628	SF
P_EVERIST 25-32 - P_EVERIST 25-32 - PLAN #1 3-16-	569.14	568.74	28.03	25.77	12.434	CC, ES
P_EVERIST 25-32 - P_EVERIST 25-32 - PLAN #1 3-16-	700.00	698.70	31.91	29.04	11.121	SF
P_EVERIST 40-32 - P_EVERIST 40-32 - PLAN #1 3-16-	300.00	300.00	15.93	14.84	14.614	CC, ES
P_EVERIST 40-32 - P_EVERIST 40-32 - PLAN #1 3-16-	500.00	499.84	19.60	17.67	10.140	SF
P_EVERIST 7-32 - P_EVERIST 7-32 - PLAN #1 3-16-10	488.61	488.47	14.67	12.78	7.759	CC
P_EVERIST 7-32 - P_EVERIST 7-32 - PLAN #1 3-16-10	500.00	499.84	14.69	12.75	7.576	ES
P_EVERIST 7-32 - P_EVERIST 7-32 - PLAN #1 3-16-10	600.00	599.45	17.47	15.08	7.327	SF

Offset Design	WELD_EVERIST 4 PAD - HSR-NELSON #10-32 EXISTING - HSR-NELSON #10-32 EXISTING - HSR-I											Offset Site Error:	0.00 ft
Survey Program:	0-UNKNOWN											Offset Well Error:	0.00 ft
Reference Measured Depth (ft)	Vertical Depth (ft)	Offset Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-92.53	-8.03	-181.62	181.79				
100.00	100.00	100.00	100.00	0.10	1.70	-92.53	-8.03	-181.62	181.79	180.00	1.80	101.248	
200.00	200.00	200.00	200.00	0.32	5.70	-92.53	-8.03	-181.62	181.79	175.77	6.02	30.197	
300.00	300.00	300.00	300.00	0.55	9.70	-92.53	-8.03	-181.62	181.79	171.55	10.25	17.745	
400.00	399.98	399.98	399.98	0.75	13.70	65.06	-8.03	-181.62	181.05	166.61	14.44	12.536	
500.00	499.84	499.84	499.84	0.94	17.69	66.62	-8.03	-181.62	178.91	160.28	18.63	9.604	
600.00	599.45	599.45	599.45	1.18	21.68	69.28	-8.03	-181.62	175.62	152.79	22.84	7.691	
700.00	698.70	698.70	698.70	1.45	25.65	73.14	-8.03	-181.62	171.67	144.60	27.07	6.342	
800.00	797.47	797.47	797.47	1.77	29.60	78.27	-8.03	-181.62	167.76	136.42	31.34	5.352	
900.00	895.62	895.62	895.62	2.15	33.52	84.72	-8.03	-181.62	164.88	129.22	35.66	4.624	
970.55	964.45	964.45	964.45	2.45	36.28	90.00	-8.03	-181.62	164.15	125.42	38.73	4.239	CC
1,000.00	993.06	993.06	993.06	2.58	37.42	92.36	-8.03	-181.62	164.30	124.30	40.00	4.108	
1,100.00	1,089.64	1,089.64	1,089.64	3.07	41.29	100.89	-8.03	-181.62	167.41	123.13	44.28	3.781	ES
1,200.00	1,185.27	1,185.27	1,185.27	3.62	45.11	109.79	-8.03	-181.62	175.50	127.12	48.38	3.628	SF
1,300.00	1,279.82	1,279.82	1,279.82	4.24	48.89	118.45	-8.03	-181.62	189.48	137.28	52.20	3.630	
1,400.00	1,373.17	1,373.17	1,373.17	4.91	52.63	126.39	-8.03	-181.62	209.69	154.02	55.68	3.766	
1,500.00	1,465.21	1,465.21	1,465.21	5.65	56.31	133.34	-8.03	-181.62	236.00	177.19	58.80	4.013	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_EVERIST 28-5
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4823.00ft (Original Well Elev)
Reference Site:	WELD_EVERIST 4 PAD	MD Reference:	WELL @ 4823.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_EVERIST 28-5	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_EVERIST 28-5	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 3-16-10 RHS	Offset TVD Reference:	Offset Datum

Offset Design WELD_EVERIST 4 PAD - HSR-NELSON #10-32 EXISTING - HSR-NELSON #10-32 EXISTING - HSR-												Offset Site Error:	0.00 ft
Survey Program: 0-UNKNOWN												Offset Well Error:	0.00 ft
Reference	Offset	Semi Major Axis		Distance		Warning							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
1,538.13	1,499.94	1,499.94	1,499.94	5.95	57.70	135.71	-8.03	-181.62	247.55	187.64	59.91	4.132	
1,600.00	1,556.13	1,556.13	1,556.13	6.44	59.95	139.44	-8.03	-181.62	267.50	205.60	61.89	4.322	
1,700.00	1,646.93	1,646.93	1,646.93	7.24	63.58	144.46	-8.03	-181.62	301.67	236.53	65.14	4.631	
1,800.00	1,737.74	1,737.74	1,737.74	8.05	67.21	148.50	-8.03	-181.62	337.58	269.14	68.44	4.933	
1,900.00	1,828.54	1,828.54	1,828.54	8.86	70.84	151.78	-8.03	-181.62	374.73	302.94	71.79	5.220	
2,000.00	1,919.35	1,919.35	1,919.35	9.68	74.47	154.49	-8.03	-181.62	412.79	337.60	75.19	5.490	
2,100.00	2,010.15	2,010.15	2,010.15	10.49	78.11	156.74	-8.03	-181.62	451.53	372.90	78.63	5.742	
2,200.00	2,100.96	2,100.96	2,100.96	11.31	81.74	158.65	-8.03	-181.62	490.79	408.68	82.11	5.978	
2,300.00	2,191.76	2,191.76	2,191.76	12.13	85.37	160.28	-8.03	-181.62	530.45	444.84	85.61	6.196	
2,400.00	2,282.57	2,282.57	2,282.57	12.96	89.00	161.69	-8.03	-181.62	570.43	481.30	89.13	6.400	
2,500.00	2,373.37	2,373.37	2,373.37	13.78	92.63	162.92	-8.03	-181.62	610.66	517.99	92.67	6.590	
2,600.00	2,464.18	2,464.18	2,464.18	14.60	96.27	163.99	-8.03	-181.62	651.10	554.87	96.23	6.766	
2,700.00	2,554.98	2,554.98	2,554.98	15.43	99.90	164.94	-8.03	-181.62	691.71	591.92	99.80	6.931	
2,800.00	2,645.79	2,645.79	2,645.79	16.25	103.53	165.79	-8.03	-181.62	732.47	629.09	103.38	7.085	
2,900.00	2,736.59	2,736.59	2,736.59	17.08	107.16	166.55	-8.03	-181.62	773.35	666.38	106.97	7.230	
3,000.00	2,827.40	2,827.40	2,827.40	17.90	110.80	167.23	-8.03	-181.62	814.33	703.76	110.57	7.365	
3,100.00	2,918.20	2,918.20	2,918.20	18.73	114.43	167.85	-8.03	-181.62	855.40	741.22	114.17	7.492	
3,200.00	3,009.01	3,009.01	3,009.01	19.56	118.06	168.41	-8.03	-181.62	896.54	778.75	117.79	7.612	
3,300.00	3,099.81	3,099.81	3,099.81	20.38	121.69	168.92	-8.03	-181.62	937.75	816.35	121.40	7.724	
3,400.00	3,190.62	3,190.62	3,190.62	21.21	125.32	169.39	-8.03	-181.62	979.02	853.99	125.02	7.831	
3,500.00	3,281.42	3,281.42	3,281.42	22.04	128.96	169.82	-8.03	-181.62	1,020.33	891.68	128.65	7.931	
3,600.00	3,372.23	3,372.23	3,372.23	22.87	132.59	170.22	-8.03	-181.62	1,061.69	929.42	132.28	8.026	
3,700.00	3,463.03	3,463.03	3,463.03	23.70	136.22	170.59	-8.03	-181.62	1,103.10	967.18	135.91	8.116	
3,800.00	3,553.84	3,553.84	3,553.84	24.52	139.85	170.93	-8.03	-181.62	1,144.53	1,004.99	139.55	8.202	
3,900.00	3,644.64	3,644.64	3,644.64	25.35	143.49	171.25	-8.03	-181.62	1,186.00	1,042.82	143.18	8.283	
4,000.00	3,735.45	3,735.45	3,735.45	26.18	147.12	171.55	-8.03	-181.62	1,227.50	1,080.67	146.82	8.360	
4,100.00	3,826.25	3,826.25	3,826.25	27.01	150.75	171.82	-8.03	-181.62	1,269.02	1,118.55	150.47	8.434	
4,200.00	3,917.06	3,917.06	3,917.06	27.84	154.38	172.08	-8.03	-181.62	1,310.56	1,156.45	154.11	8.504	
4,300.00	4,007.86	4,007.86	4,007.86	28.67	158.01	172.33	-8.03	-181.62	1,352.13	1,194.37	157.76	8.571	
4,400.00	4,098.67	4,098.67	4,098.67	29.50	161.65	172.56	-8.03	-181.62	1,393.72	1,232.31	161.40	8.635	
4,500.00	4,189.47	4,189.47	4,189.47	30.33	165.28	172.77	-8.03	-181.62	1,435.32	1,270.27	165.05	8.696	
4,600.00	4,280.28	4,280.28	4,280.28	31.15	168.91	172.98	-8.03	-181.62	1,476.94	1,308.24	168.70	8.755	
4,700.00	4,371.08	4,371.08	4,371.08	31.98	172.54	173.17	-8.03	-181.62	1,518.57	1,346.22	172.35	8.811	
4,800.00	4,461.89	4,461.89	4,461.89	32.81	176.18	173.35	-8.03	-181.62	1,560.22	1,384.21	176.00	8.865	
4,900.00	4,552.69	4,552.69	4,552.69	33.64	179.81	173.53	-8.03	-181.62	1,601.88	1,422.22	179.66	8.916	
5,000.00	4,643.50	4,643.50	4,643.50	34.47	183.44	173.69	-8.03	-181.62	1,643.55	1,460.24	183.31	8.966	
5,100.00	4,734.30	4,734.30	4,734.30	35.30	187.07	173.85	-8.03	-181.62	1,685.23	1,498.26	186.97	9.014	
5,200.00	4,825.11	4,825.11	4,825.11	36.13	190.70	174.00	-8.03	-181.62	1,726.92	1,536.30	190.62	9.059	
5,300.00	4,915.91	4,915.91	4,915.91	36.96	194.34	174.14	-8.03	-181.62	1,768.62	1,574.34	194.28	9.104	
5,400.00	5,006.72	5,006.72	5,006.72	37.79	197.97	174.27	-8.03	-181.62	1,810.33	1,612.40	197.94	9.146	
5,500.00	5,097.52	5,097.52	5,097.52	38.62	201.60	174.40	-8.03	-181.62	1,852.05	1,650.46	201.59	9.187	
5,600.00	5,188.33	5,188.33	5,188.33	39.45	205.23	174.53	-8.03	-181.62	1,893.77	1,688.52	205.25	9.227	
5,700.00	5,279.13	5,279.13	5,279.13	40.28	208.87	174.64	-8.03	-181.62	1,935.51	1,726.60	208.91	9.265	
5,800.00	5,369.94	5,369.94	5,369.94	41.11	212.50	174.76	-8.03	-181.62	1,977.24	1,764.67	212.57	9.302	
5,900.00	5,460.74	5,460.74	5,460.74	41.94	216.13	174.87	-8.03	-181.62	2,018.99	1,802.76	216.23	9.337	
6,000.00	5,551.55	5,551.55	5,551.55	42.77	219.76	174.97	-8.03	-181.62	2,060.74	1,840.85	219.89	9.372	
6,053.42	5,600.06	5,600.06	5,600.06	43.21	221.70	175.02	-8.03	-181.62	2,083.04	1,861.20	221.85	9.390	
6,100.00	5,642.51	5,642.51	5,642.51	43.54	223.40	175.11	-8.03	-181.62	2,102.15	1,877.12	225.03	9.342	
6,200.00	5,734.67	5,734.67	5,734.67	44.09	227.09	175.26	-8.03	-181.62	2,140.83	1,909.07	231.76	9.237	
6,300.00	5,828.13	5,828.13	5,828.13	44.60	230.83	175.40	-8.03	-181.62	2,176.29	1,937.94	238.34	9.131	
6,400.00	5,922.77	5,922.77	5,922.77	45.08	234.61	175.52	-8.03	-181.62	2,208.47	1,963.71	244.76	9.023	
6,500.00	6,018.49	6,018.49	6,018.49	45.51	238.44	175.63	-8.03	-181.62	2,237.35	1,986.36	250.99	8.914	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_EVERIST 28-5
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4823.00ft (Original Well Elev)
Reference Site:	WELD_EVERIST 4 PAD	MD Reference:	WELL @ 4823.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_EVERIST 28-5	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_EVERIST 28-5	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 3-16-10 RHS	Offset TVD Reference:	Offset Datum

Offset Design WELD_EVERIST 4 PAD - HSR-NELSON #10-32 EXISTING - HSR-NELSON #10-32 EXISTING - HSR-												Offset Site Error:	0.00 ft
Survey Program: 0-UNKNOWN												Offset Well Error:	0.00 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
6,600.00	6,115.15	6,115.15	6,115.15	45.90	242.31	175.72	-8.03	-181.62	2,262.88	2,005.87	257.01	8.805	
6,700.00	6,212.65	6,212.65	6,212.65	46.25	246.21	175.79	-8.03	-181.62	2,285.02	2,022.22	262.80	8.695	
6,800.00	6,310.86	6,310.86	6,310.86	46.55	250.13	175.85	-8.03	-181.62	2,303.77	2,035.43	268.34	8.585	
6,900.00	6,409.67	6,409.67	6,409.67	46.81	254.09	175.90	-8.03	-181.62	2,319.08	2,045.47	273.61	8.476	
7,000.00	6,508.96	6,508.96	6,508.96	47.02	258.06	175.94	-8.03	-181.62	2,330.94	2,052.35	278.59	8.367	
7,100.00	6,608.59	6,608.59	6,608.59	47.19	262.04	175.97	-8.03	-181.62	2,339.34	2,056.09	283.26	8.259	
7,200.00	6,708.47	6,708.47	6,708.47	47.30	266.04	175.98	-8.03	-181.62	2,344.27	2,056.68	287.59	8.151	
7,291.55	6,800.00	6,800.00	6,800.00	47.38	269.70	18.91	-8.03	-181.62	2,345.73	2,054.47	291.26	8.054	
7,300.00	6,808.45	6,808.45	6,808.45	47.38	270.04	18.91	-8.03	-181.62	2,345.73	2,054.12	291.61	8.044	
7,400.00	6,908.45	6,908.45	6,908.45	47.44	274.04	18.91	-8.03	-181.62	2,345.73	2,050.00	295.73	7.932	
7,500.00	7,008.45	7,008.45	7,008.45	47.49	278.04	18.91	-8.03	-181.62	2,345.73	2,045.88	299.85	7.823	
7,600.00	7,108.45	7,108.45	7,108.45	47.55	282.04	18.91	-8.03	-181.62	2,345.73	2,041.76	303.97	7.717	
7,700.00	7,208.45	7,208.45	7,208.45	47.60	286.04	18.91	-8.03	-181.62	2,345.73	2,037.63	308.10	7.614	
7,800.00	7,308.45	7,308.45	7,308.45	47.66	290.04	18.91	-8.03	-181.62	2,345.73	2,033.51	312.22	7.513	
7,900.00	7,408.45	7,408.45	7,408.45	47.72	294.04	18.91	-8.03	-181.62	2,345.73	2,029.38	316.35	7.415	
8,000.00	7,508.45	7,508.45	7,508.45	47.78	298.04	18.91	-8.03	-181.62	2,345.73	2,025.25	320.48	7.319	
8,100.00	7,608.45	7,608.45	7,608.45	47.84	302.04	18.91	-8.03	-181.62	2,345.73	2,021.12	324.61	7.226	
8,200.00	7,708.45	7,708.45	7,708.45	47.90	306.04	18.91	-8.03	-181.62	2,345.73	2,016.99	328.74	7.135	
8,300.00	7,808.45	7,808.45	7,808.45	47.96	310.04	18.91	-8.03	-181.62	2,345.73	2,012.85	332.88	7.047	
8,351.55	7,860.00	7,860.00	7,860.00	47.99	312.10	18.91	-8.03	-181.62	2,345.73	2,010.72	335.01	7.002	

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_EVERIST 28-5
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4823.00ft (Original Well Elev)
Reference Site:	WELD_EVERIST 4 PAD	MD Reference:	WELL @ 4823.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_EVERIST 28-5	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_EVERIST 28-5	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 3-16-10 RHS	Offset TVD Reference:	Offset Datum

Offset Design WELD_EVERIST 4 PAD - P_EVERIST 25-32 - P_EVERIST 25-32 - PLAN #1 3-16-10 RHS												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-91.34	-0.72	-30.74	30.74				
100.00	100.00	100.00	100.00	0.10	0.10	-91.34	-0.72	-30.74	30.74	30.55	0.19	160.918	
200.00	200.00	200.00	200.00	0.32	0.32	-91.34	-0.72	-30.74	30.74	30.10	0.64	47.993	
300.00	300.00	300.00	300.00	0.55	0.55	-91.34	-0.72	-30.74	30.74	29.65	1.09	28.202	
400.00	399.98	399.98	399.98	0.75	0.77	68.78	-0.72	-30.74	30.07	28.55	1.51	19.852	
500.00	499.84	499.84	499.84	0.94	0.99	78.62	-0.72	-30.74	28.59	26.65	1.94	14.755	
569.14	568.74	568.74	568.74	1.11	1.15	90.00	-0.72	-30.74	28.03	25.77	2.25	12.434 CC, ES	
600.00	599.45	599.45	599.45	1.18	1.22	96.20	-0.72	-30.74	28.19	25.80	2.40	11.772	
700.00	698.70	698.70	698.70	1.45	1.44	118.31	-0.72	-30.74	31.91	29.04	2.87	11.121 SF	
800.00	797.47	796.85	796.85	1.77	1.66	136.72	-0.46	-31.23	42.13	38.81	3.32	12.693	
900.00	895.62	893.74	893.67	2.15	1.87	146.64	1.21	-34.38	59.74	55.98	3.76	15.893	
1,000.00	993.06	989.44	989.13	2.58	2.08	151.07	4.35	-40.33	83.13	78.91	4.22	19.689	
1,100.00	1,089.64	1,083.60	1,082.78	3.07	2.31	152.78	8.89	-48.93	111.47	106.75	4.72	23.621	
1,200.00	1,185.27	1,175.91	1,174.23	3.62	2.56	153.17	14.74	-60.00	144.41	139.15	5.26	27.476	
1,300.00	1,279.82	1,266.08	1,263.13	4.24	2.83	152.92	21.78	-73.32	181.78	175.94	5.84	31.137	
1,400.00	1,373.17	1,353.86	1,349.17	4.91	3.13	152.33	29.89	-88.66	223.44	216.97	6.47	34.539	
1,500.00	1,465.21	1,440.85	1,433.95	5.65	3.46	151.62	39.00	-105.92	269.11	261.96	7.15	37.640	
1,538.13	1,499.94	1,474.35	1,466.56	5.95	3.60	151.42	42.58	-112.69	287.32	279.90	7.42	38.726	
1,600.00	1,556.13	1,528.54	1,519.31	6.44	3.82	151.46	48.37	-123.64	317.19	309.30	7.89	40.205	
1,700.00	1,646.93	1,616.12	1,604.57	7.24	4.19	151.51	57.72	-141.34	365.46	356.80	8.66	42.188	
1,800.00	1,737.74	1,703.70	1,689.83	8.05	4.57	151.55	67.07	-159.04	413.73	404.28	9.45	43.780	
1,900.00	1,828.54	1,791.27	1,775.09	8.86	4.96	151.58	76.42	-176.74	462.00	451.75	10.25	45.077	
2,000.00	1,919.35	1,878.85	1,860.35	9.68	5.36	151.61	85.78	-194.44	510.27	499.21	11.06	46.151	
2,100.00	2,010.15	1,966.43	1,945.61	10.49	5.76	151.63	95.13	-212.14	558.54	546.67	11.87	47.052	
2,200.00	2,100.96	2,054.01	2,030.87	11.31	6.16	151.65	104.48	-229.84	606.81	594.12	12.69	47.817	
2,300.00	2,191.76	2,141.59	2,116.13	12.13	6.57	151.66	113.83	-247.53	655.08	641.57	13.51	48.473	
2,400.00	2,282.57	2,229.16	2,201.39	12.96	6.98	151.67	123.18	-265.23	703.35	689.01	14.34	49.042	
2,500.00	2,373.37	2,316.74	2,286.65	13.78	7.40	151.69	132.54	-282.93	751.62	736.45	15.17	49.537	
2,600.00	2,464.18	2,404.32	2,371.91	14.60	7.81	151.70	141.89	-300.63	799.89	783.89	16.01	49.973	
2,700.00	2,554.98	2,491.90	2,457.17	15.43	8.23	151.70	151.24	-318.33	848.17	831.32	16.84	50.359	
2,800.00	2,645.79	2,579.48	2,542.43	16.25	8.65	151.71	160.59	-336.03	896.44	878.76	17.68	50.703	
2,900.00	2,736.59	2,667.05	2,627.69	17.08	9.07	151.72	169.94	-353.73	944.71	926.19	18.52	51.010	
3,000.00	2,827.40	2,754.63	2,712.94	17.90	9.49	151.73	179.30	-371.43	992.98	973.62	19.36	51.288	
3,100.00	2,918.20	2,842.21	2,798.20	18.73	9.91	151.73	188.65	-389.13	1,041.25	1,021.05	20.20	51.539	
3,200.00	3,009.01	2,929.79	2,883.46	19.56	10.33	151.74	198.00	-406.83	1,089.52	1,068.47	21.05	51.767	
3,300.00	3,099.81	3,017.37	2,968.72	20.38	10.75	151.74	207.35	-424.53	1,137.79	1,115.90	21.89	51.975	
3,400.00	3,190.62	3,104.94	3,053.98	21.21	11.18	151.75	216.70	-442.23	1,186.06	1,163.33	22.74	52.166	
3,500.00	3,281.42	3,192.52	3,139.24	22.04	11.60	151.75	226.06	-459.93	1,234.33	1,210.75	23.58	52.341	
3,600.00	3,372.23	3,280.10	3,224.50	22.87	12.03	151.75	235.41	-477.63	1,282.60	1,258.17	24.43	52.503	
3,700.00	3,463.03	3,367.68	3,309.76	23.70	12.45	151.76	244.76	-495.33	1,330.88	1,305.60	25.28	52.652	
3,800.00	3,553.84	3,455.26	3,395.02	24.52	12.88	151.76	254.11	-513.03	1,379.15	1,353.02	26.12	52.790	
3,900.00	3,644.64	3,542.83	3,480.28	25.35	13.30	151.76	263.47	-530.73	1,427.42	1,400.44	26.97	52.919	
4,000.00	3,735.45	3,630.41	3,565.54	26.18	13.73	151.77	272.82	-548.43	1,475.69	1,447.87	27.82	53.039	
4,100.00	3,826.25	3,717.99	3,650.80	27.01	14.15	151.77	282.17	-566.13	1,523.96	1,495.29	28.67	53.151	
4,200.00	3,917.06	3,805.57	3,736.06	27.84	14.58	151.77	291.52	-583.83	1,572.23	1,542.71	29.52	53.256	
4,300.00	4,007.86	3,893.15	3,821.32	28.67	15.01	151.77	300.87	-601.53	1,620.50	1,590.13	30.37	53.355	
4,400.00	4,098.67	3,980.72	3,906.58	29.50	15.43	151.78	310.23	-619.23	1,668.77	1,637.55	31.22	53.447	
4,500.00	4,189.47	4,068.30	3,991.84	30.33	15.86	151.78	319.58	-636.93	1,717.04	1,684.97	32.07	53.534	
4,600.00	4,280.28	4,155.88	4,077.10	31.15	16.29	151.78	328.93	-654.63	1,765.31	1,732.39	32.93	53.616	
4,700.00	4,371.08	4,243.46	4,162.35	31.98	16.72	151.78	338.28	-672.33	1,813.58	1,779.81	33.78	53.694	
4,800.00	4,461.89	4,331.04	4,247.61	32.81	17.15	151.78	347.63	-690.03	1,861.86	1,827.23	34.63	53.767	
4,900.00	4,552.69	4,418.61	4,332.87	33.64	17.57	151.79	356.99	-707.73	1,910.13	1,874.65	35.48	53.836	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_EVERIST 28-5
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4823.00ft (Original Well Elev)
Reference Site:	WELD_EVERIST 4 PAD	MD Reference:	WELL @ 4823.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_EVERIST 28-5	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_EVERIST 28-5	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 3-16-10 RHS	Offset TVD Reference:	Offset Datum

Offset Design WELD_EVERIST 4 PAD - P_EVERIST 25-32 - P_EVERIST 25-32 - PLAN #1 3-16-10 RHS												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
5,000.00	4,643.50	4,506.19	4,418.13	34.47	18.00	151.79	366.34	-725.43	1,958.40	1,922.07	36.33	53.902	
5,100.00	4,734.30	4,593.77	4,503.39	35.30	18.43	151.79	375.69	-743.13	2,006.67	1,969.48	37.18	53.965	
5,200.00	4,825.11	4,681.35	4,588.65	36.13	18.86	151.79	385.04	-760.83	2,054.94	2,016.90	38.04	54.024	
5,300.00	4,915.91	4,768.93	4,673.91	36.96	19.29	151.79	394.39	-778.53	2,103.21	2,064.32	38.89	54.081	
5,400.00	5,006.72	4,856.50	4,759.17	37.79	19.72	151.79	403.75	-796.23	2,151.48	2,111.74	39.74	54.135	
5,500.00	5,097.52	4,944.08	4,844.43	38.62	20.14	151.79	413.10	-813.93	2,199.75	2,159.16	40.60	54.187	
5,600.00	5,188.33	5,031.66	4,929.69	39.45	20.57	151.80	422.45	-831.63	2,248.02	2,206.57	41.45	54.236	
5,700.00	5,279.13	5,119.24	5,014.95	40.28	21.00	151.80	431.80	-849.33	2,296.29	2,253.99	42.30	54.283	
5,800.00	5,369.94	5,206.82	5,100.21	41.11	21.43	151.80	441.16	-867.03	2,344.57	2,301.41	43.16	54.328	
5,900.00	5,460.74	5,294.39	5,185.47	41.94	21.86	151.80	450.51	-884.73	2,392.84	2,348.83	44.01	54.371	
6,000.00	5,551.55	5,381.97	5,270.73	42.77	22.29	151.80	459.86	-902.43	2,441.11	2,396.24	44.86	54.413	
6,053.42	5,600.06	5,428.75	5,316.27	43.21	22.52	151.80	464.86	-911.88	2,466.89	2,421.57	45.32	54.434	
6,100.00	5,642.51	5,469.71	5,356.14	43.54	22.72	152.03	469.23	-920.16	2,489.09	2,443.32	45.77	54.384	
6,200.00	5,734.67	5,622.65	5,505.80	44.09	23.27	152.51	483.92	-947.96	2,533.72	2,486.97	46.75	54.194	
6,300.00	5,828.13	5,789.24	5,670.46	44.60	23.74	153.03	495.65	-970.17	2,572.95	2,525.33	47.62	54.032	
6,400.00	5,922.77	5,961.11	5,841.57	45.08	24.09	153.62	503.05	-984.17	2,606.54	2,558.21	48.33	53.932	
6,500.00	6,018.49	6,136.86	6,017.21	45.51	24.33	154.27	505.65	-989.09	2,634.30	2,585.42	48.88	53.897	
6,600.00	6,115.15	6,234.80	6,115.15	45.90	24.44	154.72	505.65	-989.09	2,657.54	2,608.24	49.30	53.903	
6,700.00	6,212.65	6,332.30	6,212.65	46.25	24.56	155.09	505.65	-989.09	2,677.74	2,628.05	49.69	53.889	
6,800.00	6,310.86	6,430.51	6,310.86	46.55	24.68	155.41	505.65	-989.09	2,694.86	2,644.83	50.03	53.865	
6,900.00	6,409.67	6,529.32	6,409.67	46.81	24.80	155.66	505.65	-989.09	2,708.86	2,658.54	50.32	53.829	
7,000.00	6,508.96	6,628.61	6,508.96	47.02	24.92	155.85	505.65	-989.09	2,719.72	2,669.15	50.57	53.785	
7,100.00	6,608.59	6,728.25	6,608.59	47.19	25.05	155.98	505.65	-989.09	2,727.41	2,676.65	50.76	53.730	
7,200.00	6,708.47	6,828.12	6,708.47	47.30	25.18	156.06	505.65	-989.09	2,731.92	2,681.02	50.91	53.666	
7,291.55	6,800.00	6,919.65	6,800.00	47.38	25.29	-0.99	505.65	-989.09	2,733.26	2,682.26	51.00	53.590	
7,300.00	6,808.45	6,928.11	6,808.45	47.38	25.30	-0.99	505.65	-989.09	2,733.26	2,682.24	51.02	53.569	
7,400.00	6,908.45	7,028.11	6,908.45	47.44	25.44	-0.99	505.65	-989.09	2,733.26	2,682.00	51.26	53.323	
7,500.00	7,008.45	7,128.11	7,008.45	47.49	25.57	-0.99	505.65	-989.09	2,733.26	2,681.76	51.50	53.076	
7,600.00	7,108.45	7,228.11	7,108.45	47.55	25.70	-0.99	505.65	-989.09	2,733.26	2,681.52	51.74	52.829	
7,700.00	7,208.45	7,328.11	7,208.45	47.60	25.83	-0.99	505.65	-989.09	2,733.26	2,681.28	51.98	52.582	
7,800.00	7,308.45	7,428.11	7,308.45	47.66	25.97	-0.99	505.65	-989.09	2,733.26	2,681.03	52.23	52.334	
7,900.00	7,408.45	7,528.11	7,408.45	47.72	26.11	-0.99	505.65	-989.09	2,733.26	2,680.78	52.48	52.085	
8,000.00	7,508.45	7,628.11	7,508.45	47.78	26.24	-0.99	505.65	-989.09	2,733.26	2,680.53	52.73	51.837	
8,100.00	7,608.45	7,728.11	7,608.45	47.84	26.38	-0.99	505.65	-989.09	2,733.26	2,680.28	52.98	51.588	
8,200.00	7,708.45	7,828.11	7,708.45	47.90	26.52	-0.99	505.65	-989.09	2,733.26	2,680.02	53.24	51.339	
8,300.00	7,808.45	7,928.11	7,808.45	47.96	26.66	-0.99	505.65	-989.09	2,733.26	2,679.76	53.50	51.091	
8,351.55	7,860.00	7,979.65	7,860.00	47.99	26.74	-0.99	505.65	-989.09	2,733.26	2,679.63	53.63	50.963	

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_EVERIST 28-5
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4823.00ft (Original Well Elev)
Reference Site:	WELD_EVERIST 4 PAD	MD Reference:	WELL @ 4823.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_EVERIST 28-5	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_EVERIST 28-5	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 3-16-10 RHS	Offset TVD Reference:	Offset Datum

Offset Design WELD_EVERIST 4 PAD - P_EVERIST 40-32 - P_EVERIST 40-32 - PLAN #1 3-16-10 RHS												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	91.33	-0.37	15.93	15.93				
100.00	100.00	100.00	100.00	0.10	0.10	91.33	-0.37	15.93	15.93	15.74	0.19	83.384	
200.00	200.00	200.00	200.00	0.32	0.32	91.33	-0.37	15.93	15.93	15.29	0.64	24.869	
300.00	300.00	300.00	300.00	0.55	0.55	91.33	-0.37	15.93	15.93	14.84	1.09	14.614 CC, ES	
400.00	399.98	399.98	399.98	0.75	0.77	-117.17	-0.37	15.93	16.65	15.14	1.51	10.995	
500.00	499.84	499.84	499.84	0.94	0.99	-130.85	-0.37	15.93	19.60	17.67	1.93	10.140 SF	
600.00	599.45	599.45	599.45	1.18	1.22	-145.36	-0.37	15.93	26.16	23.79	2.37	11.056	
700.00	698.70	698.70	698.70	1.45	1.44	-156.09	-0.37	15.93	36.85	34.05	2.80	13.155	
800.00	797.47	796.64	796.64	1.77	1.66	-162.64	-0.24	16.47	52.02	48.78	3.23	16.097	
900.00	895.62	892.67	892.60	2.15	1.86	-165.26	0.59	19.88	73.22	69.56	3.66	20.031	
1,000.00	993.06	986.74	986.44	2.58	2.07	-165.88	2.13	26.25	100.26	96.17	4.09	24.502	
1,100.00	1,089.64	1,078.40	1,077.61	3.07	2.28	-165.63	4.33	35.33	132.91	128.37	4.54	29.251	
1,200.00	1,185.27	1,167.22	1,165.64	3.62	2.52	-165.02	7.11	46.83	170.99	165.98	5.01	34.107	
1,300.00	1,279.82	1,252.87	1,250.14	4.24	2.77	-164.28	10.40	60.43	214.31	208.81	5.50	38.952	
1,400.00	1,373.17	1,335.05	1,330.78	4.91	3.05	-163.49	14.11	75.78	262.65	256.65	6.01	43.705	
1,500.00	1,465.21	1,413.53	1,407.34	5.65	3.34	-162.70	18.16	92.53	315.78	309.25	6.54	48.314	
1,538.13	1,499.94	1,442.44	1,435.42	5.95	3.46	-162.40	19.78	99.21	337.25	330.51	6.74	50.006	
1,600.00	1,556.13	1,488.47	1,479.98	6.44	3.65	-162.15	22.49	110.42	372.93	365.81	7.12	52.384	
1,700.00	1,646.93	1,561.06	1,549.86	7.24	3.99	-161.69	27.11	129.51	431.95	424.20	7.75	55.762	
1,800.00	1,737.74	1,631.44	1,617.13	8.05	4.35	-161.18	31.98	149.65	492.58	484.19	8.39	58.685	
1,900.00	1,828.54	1,700.00	1,682.13	8.86	4.72	-160.65	37.10	170.81	554.77	545.72	9.06	61.261	
2,000.00	1,919.35	1,768.18	1,746.26	9.68	5.13	-160.11	42.54	193.30	618.43	608.69	9.74	63.477	
2,100.00	2,010.15	1,844.76	1,818.13	10.49	5.62	-159.57	48.77	219.03	682.56	672.08	10.47	65.179	
2,200.00	2,100.96	1,921.35	1,889.99	11.31	6.11	-159.13	54.99	244.77	746.71	735.51	11.21	66.638	
2,300.00	2,191.76	1,997.94	1,961.86	12.13	6.61	-158.76	61.22	270.51	810.89	798.95	11.94	67.893	
2,400.00	2,282.57	2,074.53	2,033.72	12.96	7.12	-158.44	67.45	296.24	875.09	862.40	12.69	68.975	
2,500.00	2,373.37	2,151.11	2,105.59	13.78	7.64	-158.16	73.67	321.98	939.30	925.87	13.43	69.926	
2,600.00	2,464.18	2,227.70	2,177.45	14.60	8.16	-157.92	79.90	347.71	1,003.52	989.34	14.18	70.768	
2,700.00	2,554.98	2,304.29	2,249.32	15.43	8.68	-157.71	86.13	373.45	1,067.76	1,052.83	14.93	71.516	
2,800.00	2,645.79	2,380.88	2,321.18	16.25	9.21	-157.52	92.35	399.19	1,131.99	1,116.31	15.68	72.185	
2,900.00	2,736.59	2,457.47	2,393.05	17.08	9.74	-157.35	98.58	424.92	1,196.24	1,179.81	16.43	72.788	
3,000.00	2,827.40	2,534.05	2,464.91	17.90	10.27	-157.20	104.80	450.66	1,260.49	1,243.30	17.19	73.335	
3,100.00	2,918.20	2,610.64	2,536.78	18.73	10.80	-157.07	111.03	476.40	1,324.75	1,306.80	17.94	73.834	
3,200.00	3,009.01	2,687.23	2,608.64	19.56	11.34	-156.94	117.26	502.13	1,389.01	1,370.31	18.70	74.291	
3,300.00	3,099.81	2,763.82	2,680.51	20.38	11.88	-156.83	123.48	527.87	1,453.27	1,433.82	19.45	74.711	
3,400.00	3,190.62	2,840.41	2,752.37	21.21	12.41	-156.73	129.71	553.60	1,517.53	1,497.33	20.21	75.099	
3,500.00	3,281.42	2,916.99	2,824.24	22.04	12.95	-156.63	135.94	579.34	1,581.80	1,560.84	20.96	75.459	
3,600.00	3,372.23	2,993.58	2,896.10	22.87	13.49	-156.54	142.16	605.08	1,646.07	1,624.36	21.72	75.795	
3,700.00	3,463.03	3,070.17	2,967.97	23.70	14.03	-156.46	148.39	630.81	1,710.35	1,687.87	22.47	76.108	
3,800.00	3,553.84	3,146.76	3,039.83	24.52	14.57	-156.39	154.61	656.55	1,774.62	1,751.39	23.23	76.402	
3,900.00	3,644.64	3,223.35	3,111.70	25.35	15.12	-156.32	160.84	682.29	1,838.90	1,814.92	23.98	76.679	
4,000.00	3,735.45	3,299.93	3,183.56	26.18	15.66	-156.25	167.07	708.02	1,903.18	1,878.44	24.74	76.925	
4,100.00	3,826.25	3,376.52	3,255.43	27.01	16.20	-156.19	173.29	733.76	1,967.46	1,941.95	25.51	77.136	
4,200.00	3,917.06	3,453.11	3,327.29	27.84	16.75	-156.14	179.52	759.49	2,031.74	2,005.46	26.27	77.333	
4,300.00	4,007.86	3,529.70	3,399.16	28.67	17.29	-156.08	185.75	785.23	2,096.02	2,068.98	27.04	77.518	
4,400.00	4,098.67	3,606.28	3,471.02	29.50	17.83	-156.03	191.97	810.97	2,160.30	2,132.49	27.81	77.692	
4,500.00	4,189.47	3,682.87	3,542.89	30.33	18.38	-155.99	198.20	836.70	2,224.58	2,196.01	28.57	77.855	
4,600.00	4,280.28	3,759.46	3,614.75	31.15	18.92	-155.94	204.42	862.44	2,288.87	2,259.53	29.34	78.009	
4,700.00	4,371.08	3,836.05	3,686.62	31.98	19.47	-155.90	210.65	888.17	2,353.15	2,323.04	30.11	78.154	
4,800.00	4,461.89	3,912.64	3,758.48	32.81	20.01	-155.86	216.88	913.91	2,417.44	2,386.56	30.88	78.291	
4,900.00	4,552.69	3,989.22	3,830.35	33.64	20.56	-155.82	223.10	939.65	2,481.73	2,450.08	31.65	78.421	
5,000.00	4,643.50	4,065.81	3,902.21	34.47	21.11	-155.79	229.33	965.38	2,546.01	2,513.60	32.42	78.544	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_EVERIST 28-5
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4823.00ft (Original Well Elev)
Reference Site:	WELD_EVERIST 4 PAD	MD Reference:	WELL @ 4823.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_EVERIST 28-5	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_EVERIST 28-5	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 3-16-10 RHS	Offset TVD Reference:	Offset Datum

Offset Design WELD_EVERIST 4 PAD - P_EVERIST 40-32 - P_EVERIST 40-32 - PLAN #1 3-16-10 RHS												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,100.00	4,734.30	4,142.40	3,974.08	35.30	21.65	-155.75	235.56	991.12	2,610.30	2,577.12	33.18	78.660	
5,200.00	4,825.11	4,218.99	4,045.94	36.13	22.20	-155.72	241.78	1,016.86	2,674.59	2,640.64	33.95	78.771	
5,300.00	4,915.91	4,295.58	4,117.81	36.96	22.74	-155.69	248.01	1,042.59	2,738.88	2,704.15	34.72	78.876	
5,400.00	5,006.72	4,372.16	4,189.67	37.79	23.29	-155.66	254.24	1,068.33	2,803.17	2,767.67	35.49	78.977	
5,500.00	5,097.52	4,448.75	4,261.54	38.62	23.84	-155.63	260.46	1,094.06	2,867.46	2,831.19	36.26	79.072	
5,600.00	5,188.33	4,525.34	4,333.40	39.45	24.39	-155.60	266.69	1,119.80	2,931.75	2,894.71	37.03	79.164	
5,700.00	5,279.13	4,601.93	4,405.27	40.28	24.93	-155.58	272.91	1,145.54	2,996.04	2,958.23	37.80	79.251	
5,800.00	5,369.94	4,678.52	4,477.13	41.11	25.48	-155.55	279.14	1,171.27	3,060.33	3,021.75	38.57	79.335	
5,900.00	5,460.74	4,755.10	4,549.00	41.94	26.03	-155.53	285.37	1,197.01	3,124.62	3,085.27	39.35	79.415	
6,000.00	5,551.55	4,831.69	4,620.86	42.77	26.57	-155.51	291.59	1,222.74	3,188.91	3,148.79	40.12	79.491	
6,053.42	5,600.06	4,872.60	4,659.25	43.21	26.87	-155.49	294.92	1,236.49	3,223.25	3,182.72	40.53	79.531	
6,100.00	5,642.51	4,908.50	4,692.93	43.54	27.12	-155.80	297.84	1,248.55	3,252.94	3,211.95	40.99	79.362	
6,200.00	5,734.67	4,986.99	4,766.59	44.09	27.69	-156.39	304.22	1,274.93	3,314.84	3,272.92	41.92	79.076	
6,300.00	5,828.13	5,067.37	4,842.01	44.60	28.26	-156.89	310.75	1,301.94	3,374.20	3,331.37	42.83	78.777	
6,400.00	5,922.77	5,149.54	4,919.11	45.08	28.85	-157.32	317.43	1,329.55	3,430.96	3,387.24	43.72	78.476	
6,500.00	6,018.49	5,233.39	4,997.79	45.51	29.45	-157.69	324.25	1,357.73	3,485.05	3,440.47	44.58	78.182	
6,600.00	6,115.15	6,376.60	6,115.15	45.90	33.31	-158.00	372.35	1,556.57	3,527.96	3,480.25	47.71	73.945	
6,700.00	6,212.65	6,474.10	6,212.65	46.25	33.40	-158.29	372.35	1,556.57	3,548.64	3,500.39	48.25	73.550	
6,800.00	6,310.86	6,572.31	6,310.86	46.55	33.48	-158.53	372.35	1,556.57	3,566.16	3,517.43	48.72	73.192	
6,900.00	6,409.67	6,671.12	6,409.67	46.81	33.57	-158.72	372.35	1,556.57	3,580.47	3,531.34	49.13	72.872	
7,000.00	6,508.96	6,770.41	6,508.96	47.02	33.66	-158.87	372.35	1,556.57	3,591.57	3,542.09	49.48	72.589	
7,100.00	6,608.59	6,870.05	6,608.59	47.19	33.76	-158.98	372.35	1,556.57	3,599.43	3,549.68	49.76	72.341	
7,200.00	6,708.47	6,969.92	6,708.47	47.30	33.85	-159.04	372.35	1,556.57	3,604.05	3,554.08	49.97	72.126	
7,291.55	6,800.00	7,061.45	6,800.00	47.38	33.94	43.86	372.35	1,556.57	3,605.41	3,555.30	50.12	71.941	
7,300.00	6,808.45	7,069.90	6,808.45	47.38	33.95	43.86	372.35	1,556.57	3,605.41	3,555.28	50.14	71.913	
7,400.00	6,908.45	7,169.90	6,908.45	47.44	34.04	43.86	372.35	1,556.57	3,605.41	3,555.05	50.36	71.589	
7,500.00	7,008.45	7,269.90	7,008.45	47.49	34.14	43.86	372.35	1,556.57	3,605.41	3,554.82	50.59	71.265	
7,600.00	7,108.45	7,369.90	7,108.45	47.55	34.24	43.86	372.35	1,556.57	3,605.41	3,554.59	50.82	70.939	
7,700.00	7,208.45	7,469.90	7,208.45	47.60	34.34	43.86	372.35	1,556.57	3,605.41	3,554.35	51.06	70.613	
7,800.00	7,308.45	7,569.90	7,308.45	47.66	34.44	43.86	372.35	1,556.57	3,605.41	3,554.11	51.30	70.285	
7,900.00	7,408.45	7,669.90	7,408.45	47.72	34.54	43.86	372.35	1,556.57	3,605.41	3,553.87	51.54	69.957	
8,000.00	7,508.45	7,769.90	7,508.45	47.78	34.65	43.86	372.35	1,556.57	3,605.41	3,553.63	51.78	69.628	
8,100.00	7,608.45	7,869.90	7,608.45	47.84	34.75	43.86	372.35	1,556.57	3,605.41	3,553.38	52.03	69.298	
8,200.00	7,708.45	7,969.90	7,708.45	47.90	34.86	43.86	372.35	1,556.57	3,605.41	3,553.14	52.28	68.968	
8,300.00	7,808.45	8,069.90	7,808.45	47.96	34.96	43.86	372.35	1,556.57	3,605.41	3,552.88	52.53	68.638	
8,332.52	7,840.97	8,102.42	7,840.97	47.98	35.00	43.86	372.35	1,556.57	3,605.41	3,552.80	52.61	68.531	
8,351.55	7,860.00	8,116.45	7,855.00	47.99	35.01	43.86	372.35	1,556.57	3,605.42	3,552.76	52.65	68.478	

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_EVERIST 28-5
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4823.00ft (Original Well Elev)
Reference Site:	WELD_EVERIST 4 PAD	MD Reference:	WELL @ 4823.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_EVERIST 28-5	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_EVERIST 28-5	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 3-16-10 RHS	Offset TVD Reference:	Offset Datum

Offset Design WELD_EVERIST 4 PAD - P_EVERIST 7-32 - P_EVERIST 7-32 - PLAN #1 3-16-10 RHS												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference	Offset	Semi Major Axis		Distance		Warning							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	
0.00	0.00	0.00	0.00	0.00	0.00	-90.01	0.00	-15.93	15.93				
100.00	100.00	100.00	100.00	0.10	0.10	-90.01	0.00	-15.93	15.93	15.74	0.19	83.362	
200.00	200.00	200.00	200.00	0.32	0.32	-90.01	0.00	-15.93	15.93	15.29	0.64	24.862	
300.00	300.00	300.00	300.00	0.55	0.55	-90.01	0.00	-15.93	15.93	14.84	1.09	14.610	
400.00	399.98	399.98	399.98	0.75	0.77	73.09	0.00	-15.93	15.33	13.82	1.51	10.121	
488.61	488.47	488.47	488.47	0.92	0.97	90.00	0.00	-15.93	14.67	12.78	1.89	7.759 CC	
500.00	499.84	499.84	499.84	0.94	0.99	93.01	0.00	-15.93	14.69	12.75	1.94	7.576 ES	
600.00	599.45	599.45	599.45	1.18	1.22	122.75	0.00	-15.93	17.47	15.08	2.38	7.327 SF	
700.00	698.70	698.70	698.70	1.45	1.44	145.65	0.00	-15.93	26.17	23.35	2.82	9.279	
800.00	797.47	796.75	796.75	1.77	1.66	157.81	0.50	-16.17	40.60	37.35	3.25	12.492	
900.00	895.62	892.90	892.82	2.15	1.88	162.79	3.67	-17.69	61.76	58.07	3.68	16.762	
1,000.00	993.06	986.98	986.68	2.58	2.09	164.53	9.59	-20.54	89.09	84.96	4.13	21.584	
1,100.00	1,089.64	1,078.53	1,077.74	3.07	2.31	164.93	18.00	-24.58	122.23	117.65	4.58	26.681	
1,200.00	1,185.27	1,167.11	1,165.53	3.62	2.55	164.76	28.64	-29.70	160.95	155.90	5.05	31.889	
1,300.00	1,279.82	1,252.38	1,249.65	4.24	2.80	164.34	41.18	-35.73	205.01	199.49	5.53	37.096	
1,400.00	1,373.17	1,334.03	1,329.78	4.91	3.06	163.81	55.30	-42.52	254.18	248.16	6.02	42.223	
1,500.00	1,465.21	1,413.02	1,406.86	5.65	3.34	163.23	70.89	-50.01	308.17	301.64	6.53	47.195	
1,538.13	1,499.94	1,444.46	1,437.47	5.95	3.47	163.03	77.34	-53.11	329.74	323.00	6.73	48.969	
1,600.00	1,556.13	1,495.26	1,486.93	6.44	3.66	162.98	87.78	-58.13	365.06	357.95	7.10	51.395	
1,700.00	1,646.93	1,577.37	1,566.88	7.24	4.00	162.93	104.64	-66.23	422.14	414.43	7.71	54.743	
1,800.00	1,737.74	1,659.47	1,646.82	8.05	4.34	162.89	121.50	-74.34	479.23	470.90	8.33	57.537	
1,900.00	1,828.54	1,741.57	1,726.76	8.86	4.70	162.85	138.36	-82.45	536.32	527.36	8.95	59.895	
2,000.00	1,919.35	1,823.68	1,806.71	9.68	5.05	162.83	155.22	-90.55	593.41	583.82	9.59	61.905	
2,100.00	2,010.15	1,905.78	1,886.65	10.49	5.42	162.80	172.09	-98.66	650.49	640.27	10.22	63.636	
2,200.00	2,100.96	1,987.88	1,966.59	11.31	5.79	162.79	188.95	-106.77	707.58	696.72	10.86	65.137	
2,300.00	2,191.76	2,069.99	2,046.54	12.13	6.16	162.77	205.81	-114.87	764.67	753.16	11.51	66.450	
2,400.00	2,282.57	2,152.09	2,126.48	12.96	6.53	162.76	222.67	-122.98	821.76	809.60	12.15	67.608	
2,500.00	2,373.37	2,234.19	2,206.42	13.78	6.91	162.75	239.53	-131.09	878.84	866.04	12.80	68.635	
2,600.00	2,464.18	2,316.30	2,286.37	14.60	7.29	162.74	256.40	-139.19	935.93	922.48	13.46	69.552	
2,700.00	2,554.98	2,398.40	2,366.31	15.43	7.67	162.73	273.26	-147.30	993.02	978.91	14.11	70.375	
2,800.00	2,645.79	2,480.50	2,446.25	16.25	8.05	162.72	290.12	-155.40	1,050.11	1,035.34	14.77	71.116	
2,900.00	2,736.59	2,562.61	2,526.20	17.08	8.43	162.71	306.98	-163.51	1,107.19	1,091.77	15.42	71.787	
3,000.00	2,827.40	2,644.71	2,606.14	17.90	8.82	162.71	323.84	-171.62	1,164.28	1,148.20	16.08	72.399	
3,100.00	2,918.20	2,726.81	2,686.08	18.73	9.20	162.70	340.71	-179.72	1,221.37	1,204.63	16.74	72.957	
3,200.00	3,009.01	2,808.92	2,766.03	19.56	9.59	162.69	357.57	-187.83	1,278.46	1,261.06	17.40	73.469	
3,300.00	3,099.81	2,891.02	2,845.97	20.38	9.98	162.69	374.43	-195.94	1,335.55	1,317.48	18.06	73.939	
3,400.00	3,190.62	2,973.12	2,925.91	21.21	10.36	162.68	391.29	-204.04	1,392.63	1,373.91	18.72	74.373	
3,500.00	3,281.42	3,055.23	3,005.86	22.04	10.75	162.68	408.15	-212.15	1,449.72	1,430.33	19.39	74.775	
3,600.00	3,372.23	3,137.33	3,085.80	22.87	11.14	162.68	425.02	-220.26	1,506.81	1,486.76	20.05	75.148	
3,700.00	3,463.03	3,219.43	3,165.74	23.70	11.53	162.67	441.88	-228.36	1,563.90	1,543.18	20.72	75.495	
3,800.00	3,553.84	3,301.54	3,245.69	24.52	11.92	162.67	458.74	-236.47	1,620.99	1,599.61	21.38	75.818	
3,900.00	3,644.64	3,383.64	3,325.63	25.35	12.31	162.67	475.60	-244.58	1,678.07	1,656.03	22.05	76.120	
4,000.00	3,735.45	3,465.75	3,405.57	26.18	12.70	162.66	492.46	-252.68	1,735.16	1,712.45	22.71	76.403	
4,100.00	3,826.25	3,547.85	3,485.52	27.01	13.09	162.66	509.33	-260.79	1,792.25	1,768.87	23.38	76.668	
4,200.00	3,917.06	3,629.95	3,565.46	27.84	13.48	162.66	526.19	-268.89	1,849.34	1,825.29	24.04	76.918	
4,300.00	4,007.86	3,712.06	3,645.40	28.67	13.87	162.66	543.05	-277.00	1,906.42	1,881.71	24.71	77.153	
4,400.00	4,098.67	3,794.16	3,725.35	29.50	14.26	162.65	559.91	-285.11	1,963.51	1,938.14	25.38	77.375	
4,500.00	4,189.47	3,876.26	3,805.29	30.33	14.66	162.65	576.77	-293.21	2,020.60	1,994.56	26.04	77.584	
4,600.00	4,280.28	3,958.37	3,885.23	31.15	15.05	162.65	593.64	-301.32	2,077.69	2,050.98	26.71	77.782	
4,700.00	4,371.08	4,040.47	3,965.18	31.98	15.44	162.65	610.50	-309.43	2,134.78	2,107.40	27.38	77.970	
4,800.00	4,461.89	4,122.57	4,045.12	32.81	15.83	162.65	627.36	-317.53	2,191.86	2,163.82	28.05	78.148	
4,900.00	4,552.69	4,204.68	4,125.06	33.64	16.22	162.64	644.22	-325.64	2,248.95	2,220.24	28.72	78.318	

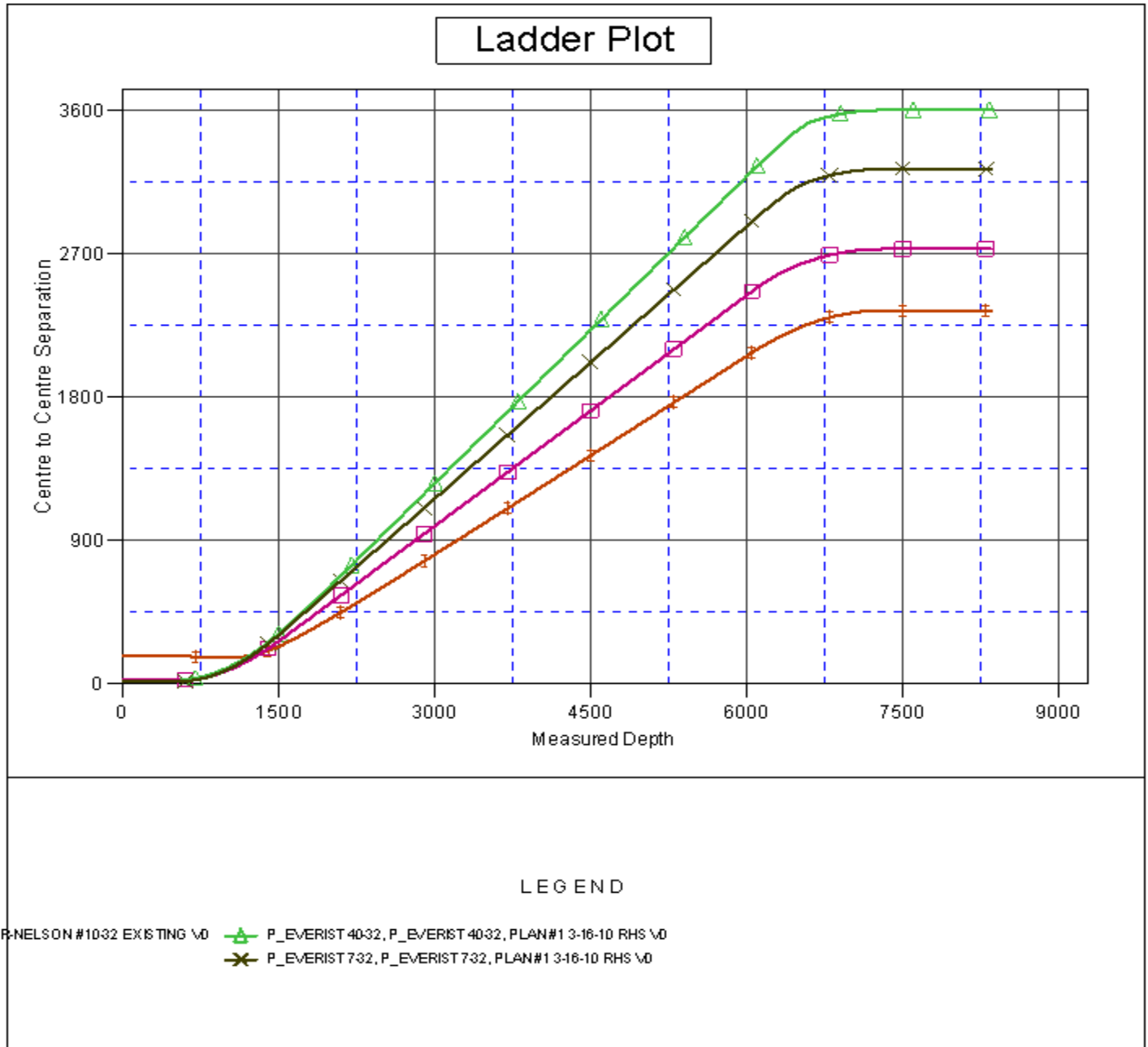
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_EVERIST 28-5
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4823.00ft (Original Well Elev)
Reference Site:	WELD_EVERIST 4 PAD	MD Reference:	WELL @ 4823.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_EVERIST 28-5	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_EVERIST 28-5	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 3-16-10 RHS	Offset TVD Reference:	Offset Datum

Offset Design WELD_EVERIST 4 PAD - P_EVERIST 7-32 - P_EVERIST 7-32 - PLAN #1 3-16-10 RHS												Offset Site Error:	0.00 ft
Survey Program: 0-MWD												Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
5,000.00	4,643.50	4,286.78	4,205.01	34.47	16.62	162.64	661.08	-333.75	2,306.04	2,276.66	29.38	78.479	
5,100.00	4,734.30	4,368.88	4,284.95	35.30	17.01	162.64	677.95	-341.85	2,363.13	2,333.07	30.05	78.632	
5,200.00	4,825.11	4,450.99	4,364.89	36.13	17.40	162.64	694.81	-349.96	2,420.22	2,389.49	30.72	78.779	
5,300.00	4,915.91	4,533.09	4,444.84	36.96	17.80	162.64	711.67	-358.07	2,477.30	2,445.91	31.39	78.918	
5,400.00	5,006.72	4,615.19	4,524.78	37.79	18.19	162.64	728.53	-366.17	2,534.39	2,502.33	32.06	79.052	
5,500.00	5,097.52	4,697.30	4,604.72	38.62	18.58	162.64	745.39	-374.28	2,591.48	2,558.75	32.73	79.179	
5,600.00	5,188.33	4,779.40	4,684.67	39.45	18.98	162.63	762.25	-382.38	2,648.57	2,615.17	33.40	79.301	
5,700.00	5,279.13	4,861.50	4,764.61	40.28	19.37	162.63	779.12	-390.49	2,705.65	2,671.59	34.07	79.418	
5,800.00	5,369.94	4,943.61	4,844.55	41.11	19.76	162.63	795.98	-398.60	2,762.74	2,728.00	34.74	79.531	
5,900.00	5,460.74	5,025.71	4,924.50	41.94	20.16	162.63	812.84	-406.70	2,819.83	2,784.42	35.41	79.638	
6,000.00	5,551.55	5,107.81	5,004.44	42.77	20.55	162.63	829.70	-414.81	2,876.92	2,840.84	36.08	79.742	
6,053.42	5,600.06	5,151.67	5,047.14	43.21	20.76	162.63	838.71	-419.14	2,907.41	2,870.98	36.44	79.795	
6,100.00	5,642.51	5,190.12	5,084.58	43.54	20.94	162.82	846.61	-422.94	2,933.71	2,896.87	36.84	79.640	
6,200.00	5,734.67	5,274.01	5,166.26	44.09	21.35	163.17	863.83	-431.22	2,988.12	2,950.47	37.65	79.366	
6,300.00	5,828.13	5,359.65	5,249.65	44.60	21.76	163.47	881.42	-439.68	3,039.70	3,001.27	38.43	79.089	
6,400.00	5,922.77	5,446.94	5,334.64	45.08	22.18	163.72	899.35	-448.29	3,088.39	3,049.20	39.18	78.817	
6,500.00	6,018.49	6,069.00	5,949.91	45.51	23.86	164.03	974.31	-484.33	3,129.83	3,088.97	40.86	76.605	
6,600.00	6,115.15	6,234.25	6,115.15	45.90	24.05	164.38	975.20	-484.76	3,154.59	3,113.15	41.45	76.113	
6,700.00	6,212.65	6,331.74	6,212.65	46.25	24.17	164.61	975.20	-484.76	3,176.03	3,134.11	41.92	75.772	
6,800.00	6,310.86	6,429.96	6,310.86	46.55	24.29	164.80	975.20	-484.76	3,194.18	3,151.85	42.33	75.460	
6,900.00	6,409.67	6,528.77	6,409.67	46.81	24.41	164.95	975.20	-484.76	3,209.01	3,166.32	42.69	75.176	
7,000.00	6,508.96	6,628.05	6,508.96	47.02	24.53	165.06	975.20	-484.76	3,220.50	3,177.52	42.99	74.920	
7,100.00	6,608.59	6,727.69	6,608.59	47.19	24.66	165.14	975.20	-484.76	3,228.64	3,185.42	43.23	74.691	
7,200.00	6,708.47	6,827.56	6,708.47	47.30	24.79	165.19	975.20	-484.76	3,233.42	3,190.01	43.41	74.488	
7,291.55	6,800.00	6,919.10	6,800.00	47.38	24.90	8.12	975.20	-484.76	3,234.83	3,191.30	43.53	74.309	
7,300.00	6,808.45	6,927.55	6,808.45	47.38	24.91	8.12	975.20	-484.76	3,234.83	3,191.28	43.56	74.268	
7,400.00	6,908.45	7,027.55	6,908.45	47.44	25.04	8.12	975.20	-484.76	3,234.83	3,191.00	43.83	73.799	
7,500.00	7,008.45	7,127.55	7,008.45	47.49	25.18	8.12	975.20	-484.76	3,234.83	3,190.72	44.11	73.331	
7,600.00	7,108.45	7,227.55	7,108.45	47.55	25.31	8.12	975.20	-484.76	3,234.83	3,190.44	44.40	72.864	
7,700.00	7,208.45	7,327.55	7,208.45	47.60	25.44	8.12	975.20	-484.76	3,234.83	3,190.15	44.68	72.399	
7,800.00	7,308.45	7,427.55	7,308.45	47.66	25.58	8.12	975.20	-484.76	3,234.83	3,189.86	44.97	71.936	
7,900.00	7,408.45	7,527.55	7,408.45	47.72	25.71	8.12	975.20	-484.76	3,234.83	3,189.57	45.26	71.475	
8,000.00	7,508.45	7,627.55	7,508.45	47.78	25.85	8.12	975.20	-484.76	3,234.83	3,189.28	45.55	71.015	
8,100.00	7,608.45	7,727.55	7,608.45	47.84	25.99	8.12	975.20	-484.76	3,234.83	3,188.98	45.85	70.558	
8,200.00	7,708.45	7,827.55	7,708.45	47.90	26.13	8.12	975.20	-484.76	3,234.83	3,188.69	46.14	70.103	
8,300.00	7,808.45	7,927.55	7,808.45	47.96	26.27	8.12	975.20	-484.76	3,234.83	3,188.39	46.44	69.651	
8,351.55	7,860.00	7,979.10	7,860.00	47.99	26.35	8.12	975.20	-484.76	3,234.83	3,188.23	46.60	69.418	

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_EVERIST 28-5
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4823.00ft (Original Well Elev)
Reference Site:	WELD_EVERIST 4 PAD	MD Reference:	WELL @ 4823.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_EVERIST 28-5	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_EVERIST 28-5	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 3-16-10 RHS	Offset TVD Reference:	Offset Datum

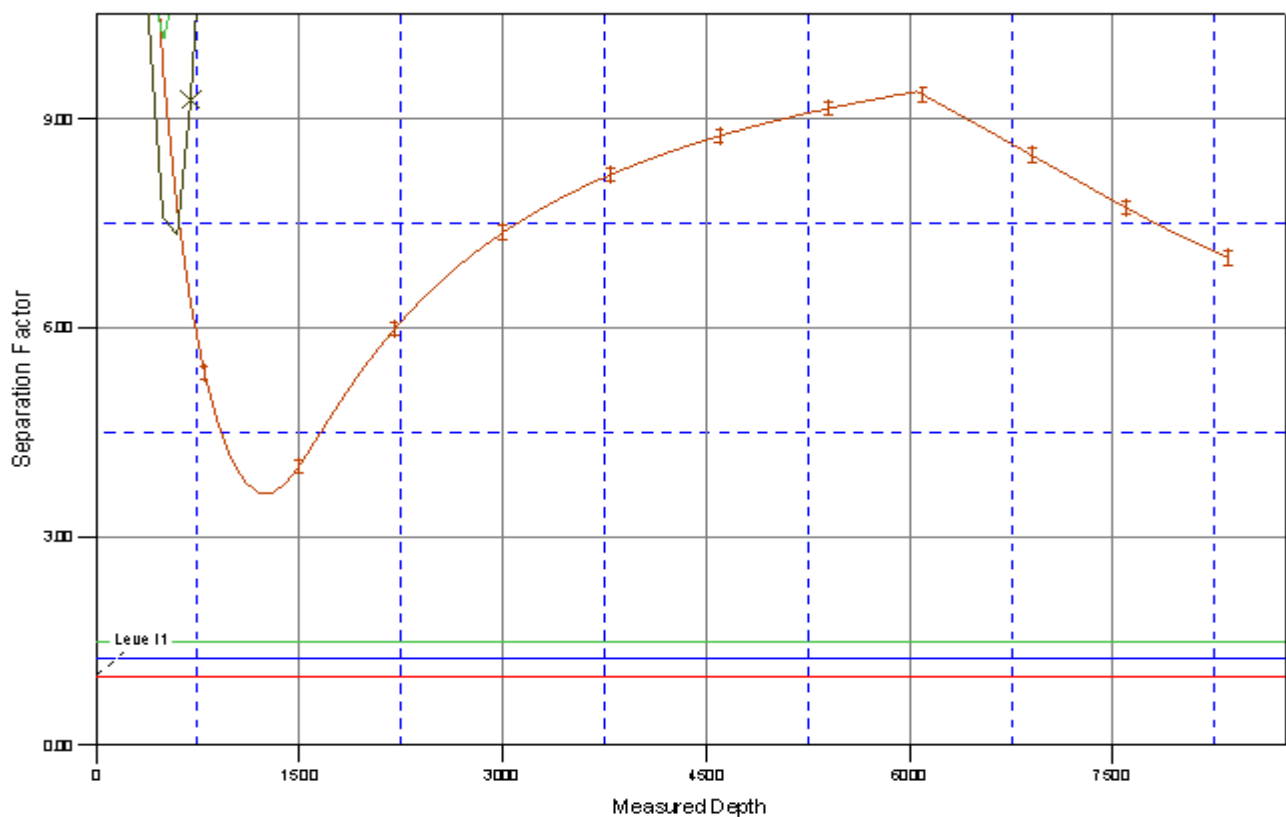
Reference Depths are relative to WELL @ 4823.00ft (Original Well Elev) Coordinates are relative to: P_EVERIST 28-5
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.38°





Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_EVERIST 28-5
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4823.00ft (Original Well Elev)
Reference Site:	WELD_EVERIST 4 PAD	MD Reference:	WELL @ 4823.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_EVERIST 28-5	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_EVERIST 28-5	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 3-16-10 RHS	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4823.00ft (Original Well Elev) Coordinates are relative to: P_EVERIST 28-5
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.38°

Separation Factor Plot



LEGEND

ISP-NELSON #1032 EXISTING WD  P_EVERIST 4032, P_EVERIST 4032, PLAN#1 3-16-10 RHS WD
 P_EVERIST 732, P_EVERIST 732, PLAN#1 3-16-10 RHS WD