



US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

WELD_GEIB 1-26 PAD

P_GEIB 41-26

P_GEIB 41-26

Plan: PLAN #1 1-19-10 RHS

Standard Planning Report

19 January, 2010





Azimuths to True North
 Magnetic North: 8.97°
 Magnetic Field
 Strength: 53283.7nT
 Dip Angle: 67.10°
 Date: 1/19/2010
 Model: IGRF2010

WELL DETAILS: P_GEIB 41-26

+N/-S	+E/-W	Northing	Ground Level:	Latitude	Longitude	Slot
0.00	0.00	1380853.80	4642.00 Easting 3244469.28	40° 22' 31.890 N	104° 37' 21.101 W	

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	
850.00	0.00	0.00	850.00	0.00	0.00	0.00	0.00	0.00	
1349.57	9.99	162.16	1347.05	-41.36	13.31	2.00	162.16	43.45	
5231.36	9.99	162.16	5169.95	-682.48	219.62	0.00	0.00	716.94	
5730.93	0.00	0.00	5667.00	-723.84	232.93	2.00	180.00	760.39	
7628.93	0.00	0.00	7565.00	-723.84	232.93	0.00	0.00	760.39	PBHL_GEIB 41-26(1425 FNL 190 FEL)50' TGT RAD

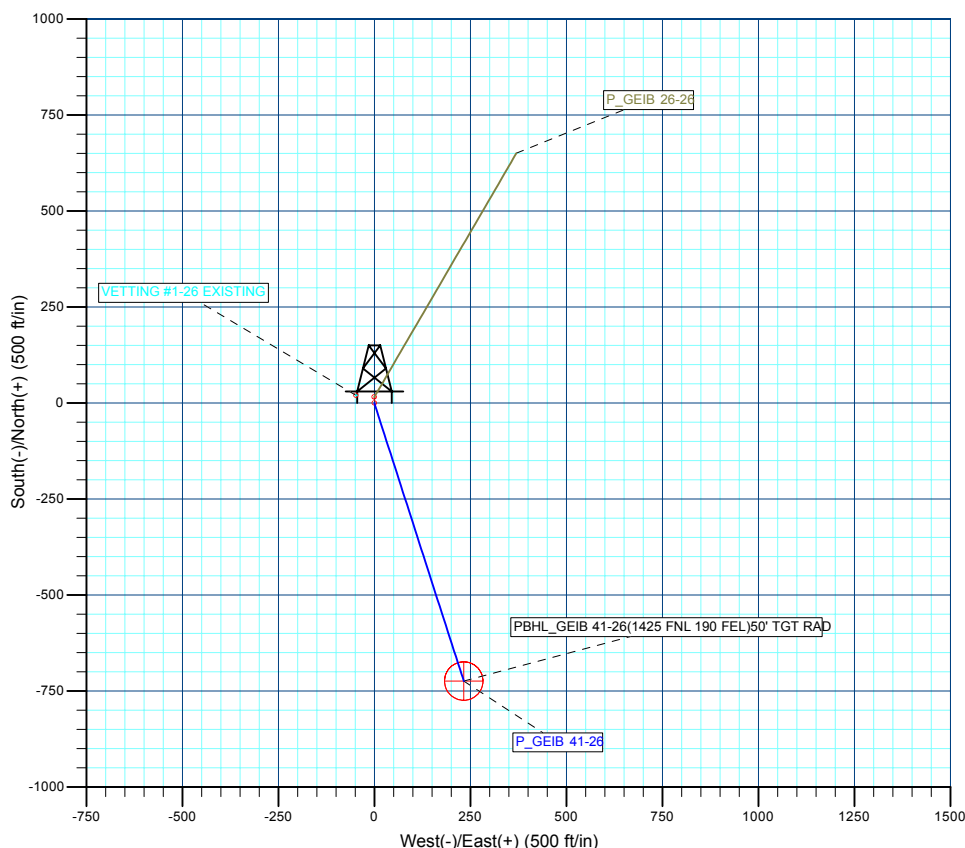
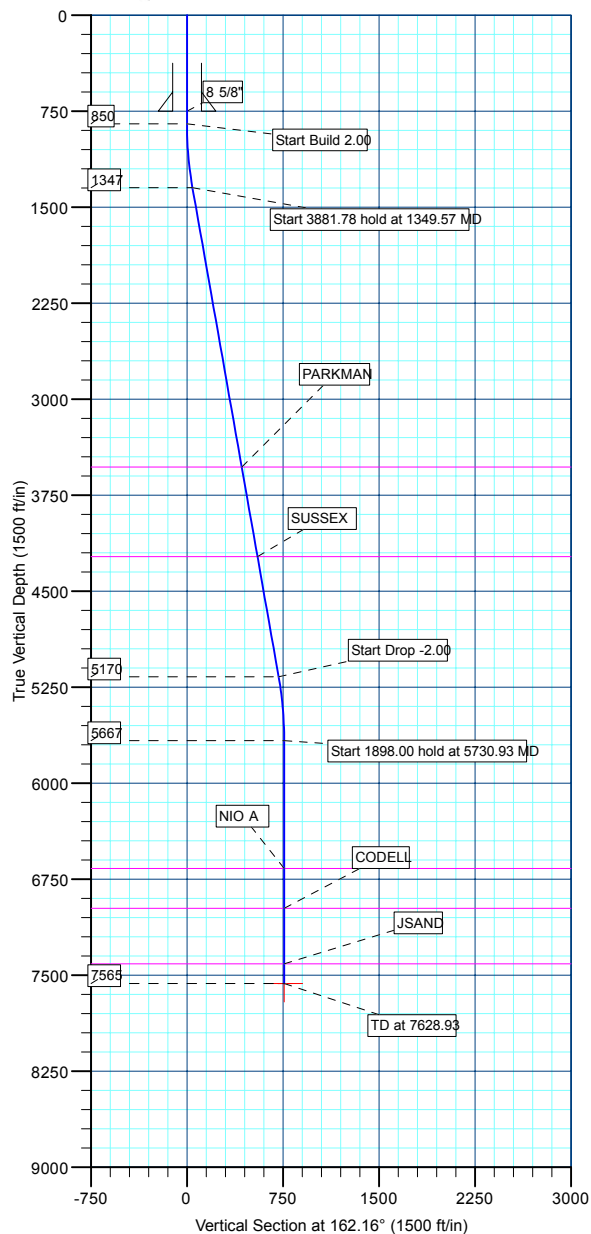
WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	7565.00	-723.84	232.93	1380132.31	3244709.36	40° 22' 24.737 N	104° 37' 18.091 W	Circle (Radius: 50.00)

CASING DETAILS

TVD	MD	Name	Size
750.00	750.00	8 5/8"	8.62

KB ELEV: WELL @ 4657.00ft (Original Well Elev)
 GRD ELEV: 4642.00



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_GEIB 41-26
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 4657.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4657.00ft (Original Well Elev)
Site:	WELD_GEIB 1-26 PAD	North Reference:	True
Well:	P_GEIB 41-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_GEIB 41-26		
Design:	PLAN #1 1-19-10 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_GEIB 1-26 PAD, SECTION 26 T5N R65W											
Site Position:						Northing:			1,380,869.48 ft			Latitude:			40° 22' 32.045 N		
From:			Lat/Long			Easting:			3,244,469.12 ft			Longitude:			104° 37' 21.101 W		
Position Uncertainty:			0.00 ft			Slot Radius:			in			Grid Convergence:			0.57 °		

Well	P_GEIB 41-26					
Well Position	+N/-S	-15.68 ft	Northing:	1,380,853.80 ft	Latitude:	40° 22' 31.890 N
	+E/-W	0.00 ft	Easting:	3,244,469.28 ft	Longitude:	104° 37' 21.101 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	4,642.00 ft

Wellbore	P_GEIB 41-26				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/19/2010	8.98	67.10	53,284

Design	PLAN #1 1-19-10 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	162.16

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	
850.00	0.00	0.00	850.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,349.57	9.99	162.16	1,347.05	-41.36	13.31	2.00	2.00	0.00	162.16	
5,231.36	9.99	162.16	5,169.95	-682.48	219.62	0.00	0.00	0.00	0.00	
5,730.93	0.00	0.00	5,667.00	-723.84	232.93	2.00	-2.00	0.00	180.00	
7,628.93	0.00	0.00	7,565.00	-723.84	232.93	0.00	0.00	0.00	0.00	PBHL_GEIB 41-26(

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_GEIB 41-26
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 4657.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4657.00ft (Original Well Elev)
Site:	WELD_GEIB 1-26 PAD	North Reference:	True
Well:	P_GEIB 41-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_GEIB 41-26		
Design:	PLAN #1 1-19-10 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									
850.00	0.00	0.00	850.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	1.00	162.16	900.00	-0.42	0.13	0.44	2.00	2.00	0.00
1,000.00	3.00	162.16	999.93	-3.74	1.20	3.93	2.00	2.00	0.00
1,100.00	5.00	162.16	1,099.68	-10.38	3.34	10.90	2.00	2.00	0.00
1,200.00	7.00	162.16	1,199.13	-20.33	6.54	21.35	2.00	2.00	0.00
1,300.00	9.00	162.16	1,298.15	-33.57	10.80	35.27	2.00	2.00	0.00
Start 3881.78 hold at 1349.57 MD									
1,349.57	9.99	162.16	1,347.05	-41.36	13.31	43.45	2.00	2.00	0.00
1,400.00	9.99	162.16	1,396.71	-49.69	15.99	52.20	0.00	0.00	0.00
1,500.00	9.99	162.16	1,495.19	-66.20	21.30	69.55	0.00	0.00	0.00
1,600.00	9.99	162.16	1,593.67	-82.72	26.62	86.90	0.00	0.00	0.00
1,700.00	9.99	162.16	1,692.16	-99.24	31.93	104.25	0.00	0.00	0.00
1,800.00	9.99	162.16	1,790.64	-115.75	37.25	121.60	0.00	0.00	0.00
1,900.00	9.99	162.16	1,889.12	-132.27	42.56	138.95	0.00	0.00	0.00
2,000.00	9.99	162.16	1,987.61	-148.78	47.88	156.30	0.00	0.00	0.00
2,100.00	9.99	162.16	2,086.09	-165.30	53.19	173.65	0.00	0.00	0.00
2,200.00	9.99	162.16	2,184.57	-181.82	58.51	191.00	0.00	0.00	0.00
2,300.00	9.99	162.16	2,283.06	-198.33	63.82	208.35	0.00	0.00	0.00
2,400.00	9.99	162.16	2,381.54	-214.85	69.14	225.70	0.00	0.00	0.00
2,500.00	9.99	162.16	2,480.02	-231.37	74.45	243.05	0.00	0.00	0.00
2,600.00	9.99	162.16	2,578.51	-247.88	79.77	260.40	0.00	0.00	0.00
2,700.00	9.99	162.16	2,676.99	-264.40	85.08	277.75	0.00	0.00	0.00
2,800.00	9.99	162.16	2,775.47	-280.91	90.40	295.10	0.00	0.00	0.00
2,900.00	9.99	162.16	2,873.96	-297.43	95.71	312.45	0.00	0.00	0.00
3,000.00	9.99	162.16	2,972.44	-313.95	101.03	329.80	0.00	0.00	0.00
3,100.00	9.99	162.16	3,070.92	-330.46	106.34	347.15	0.00	0.00	0.00
3,200.00	9.99	162.16	3,169.41	-346.98	111.66	364.50	0.00	0.00	0.00
3,300.00	9.99	162.16	3,267.89	-363.49	116.97	381.85	0.00	0.00	0.00
3,400.00	9.99	162.16	3,366.37	-380.01	122.28	399.20	0.00	0.00	0.00
3,500.00	9.99	162.16	3,464.86	-396.53	127.60	416.55	0.00	0.00	0.00
PARKMAN									
3,566.15	9.99	162.16	3,530.00	-407.45	131.11	428.03	0.00	0.00	0.00
3,600.00	9.99	162.16	3,563.34	-413.04	132.91	433.90	0.00	0.00	0.00
3,700.00	9.99	162.16	3,661.82	-429.56	138.23	451.25	0.00	0.00	0.00
3,800.00	9.99	162.16	3,760.31	-446.07	143.54	468.60	0.00	0.00	0.00
3,900.00	9.99	162.16	3,858.79	-462.59	148.86	485.95	0.00	0.00	0.00
4,000.00	9.99	162.16	3,957.27	-479.11	154.17	503.30	0.00	0.00	0.00
4,100.00	9.99	162.16	4,055.76	-495.62	159.49	520.65	0.00	0.00	0.00
4,200.00	9.99	162.16	4,154.24	-512.14	164.80	538.00	0.00	0.00	0.00
SUSSEX									
4,276.93	9.99	162.16	4,230.00	-524.84	168.89	551.35	0.00	0.00	0.00
4,300.00	9.99	162.16	4,252.72	-528.65	170.12	555.35	0.00	0.00	0.00
4,400.00	9.99	162.16	4,351.21	-545.17	175.43	572.70	0.00	0.00	0.00
4,500.00	9.99	162.16	4,449.69	-561.69	180.75	590.05	0.00	0.00	0.00
4,600.00	9.99	162.16	4,548.17	-578.20	186.06	607.40	0.00	0.00	0.00
4,700.00	9.99	162.16	4,646.66	-594.72	191.38	624.75	0.00	0.00	0.00
4,800.00	9.99	162.16	4,745.14	-611.24	196.69	642.10	0.00	0.00	0.00
4,900.00	9.99	162.16	4,843.62	-627.75	202.01	659.45	0.00	0.00	0.00
5,000.00	9.99	162.16	4,942.11	-644.27	207.32	676.80	0.00	0.00	0.00
5,100.00	9.99	162.16	5,040.59	-660.78	212.64	694.15	0.00	0.00	0.00
5,200.00	9.99	162.16	5,139.07	-677.30	217.95	711.50	0.00	0.00	0.00
Start Drop -2.00									
5,231.36	9.99	162.16	5,169.95	-682.48	219.62	716.94	0.00	0.00	0.00

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_GEIB 41-26
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 4657.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4657.00ft (Original Well Elev)
Site:	WELD_GEIB 1-26 PAD	North Reference:	True
Well:	P_GEIB 41-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_GEIB 41-26		
Design:	PLAN #1 1-19-10 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)
5,300.00	8.62	162.16	5,237.69	-693.04	223.02	728.04	2.00	-2.00	0.00
5,400.00	6.62	162.16	5,336.81	-705.66	227.08	741.30	2.00	-2.00	0.00
5,500.00	4.62	162.16	5,436.32	-714.98	230.08	751.09	2.00	-2.00	0.00
5,600.00	2.62	162.16	5,536.12	-720.99	232.01	757.40	2.00	-2.00	0.00
5,700.00	0.62	162.16	5,636.07	-723.68	232.87	760.22	2.00	-2.00	0.00
Start 1898.00 hold at 5730.93 MD									
5,730.93	0.00	0.00	5,667.00	-723.84	232.93	760.39	2.00	-2.00	-524.31
5,800.00	0.00	0.00	5,736.07	-723.84	232.93	760.39	0.00	0.00	0.00
5,900.00	0.00	0.00	5,836.07	-723.84	232.93	760.39	0.00	0.00	0.00
6,000.00	0.00	0.00	5,936.07	-723.84	232.93	760.39	0.00	0.00	0.00
6,100.00	0.00	0.00	6,036.07	-723.84	232.93	760.39	0.00	0.00	0.00
6,200.00	0.00	0.00	6,136.07	-723.84	232.93	760.39	0.00	0.00	0.00
6,300.00	0.00	0.00	6,236.07	-723.84	232.93	760.39	0.00	0.00	0.00
6,400.00	0.00	0.00	6,336.07	-723.84	232.93	760.39	0.00	0.00	0.00
6,500.00	0.00	0.00	6,436.07	-723.84	232.93	760.39	0.00	0.00	0.00
6,600.00	0.00	0.00	6,536.07	-723.84	232.93	760.39	0.00	0.00	0.00
6,700.00	0.00	0.00	6,636.07	-723.84	232.93	760.39	0.00	0.00	0.00
NIO A									
6,730.93	0.00	0.00	6,667.00	-723.84	232.93	760.39	0.00	0.00	0.00
6,800.00	0.00	0.00	6,736.07	-723.84	232.93	760.39	0.00	0.00	0.00
6,900.00	0.00	0.00	6,836.07	-723.84	232.93	760.39	0.00	0.00	0.00
7,000.00	0.00	0.00	6,936.07	-723.84	232.93	760.39	0.00	0.00	0.00
CODELL									
7,042.93	0.00	0.00	6,979.00	-723.84	232.93	760.39	0.00	0.00	0.00
7,100.00	0.00	0.00	7,036.07	-723.84	232.93	760.39	0.00	0.00	0.00
7,200.00	0.00	0.00	7,136.07	-723.84	232.93	760.39	0.00	0.00	0.00
7,300.00	0.00	0.00	7,236.07	-723.84	232.93	760.39	0.00	0.00	0.00
7,400.00	0.00	0.00	7,336.07	-723.84	232.93	760.39	0.00	0.00	0.00
JSAND									
7,475.93	0.00	0.00	7,412.00	-723.84	232.93	760.39	0.00	0.00	0.00
7,500.00	0.00	0.00	7,436.07	-723.84	232.93	760.39	0.00	0.00	0.00
7,600.00	0.00	0.00	7,536.07	-723.84	232.93	760.39	0.00	0.00	0.00
PBHL_GEIB 41-26(1425 FNL 190 FEL)50' TGT RAD									
7,628.93	0.00	0.00	7,565.00	-723.84	232.93	760.39	0.00	0.00	0.00

Design Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
PBHL_GEIB 41-26(14 - plan hits target center - Circle (radius 50.00)	0.00	0.00	7,565.00	-723.84	232.93	1,380,132.31	3,244,709.36	40° 22' 24.737 N	104° 37' 18.091 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
750.00	750.00	8 5/8"	8.62	11.00

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_GEIB 41-26
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 4657.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4657.00ft (Original Well Elev)
Site:	WELD_GEIB 1-26 PAD	North Reference:	True
Well:	P_GEIB 41-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_GEIB 41-26		
Design:	PLAN #1 1-19-10 RHS		

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,566.15	3,530.00	PARKMAN			
4,276.93	4,230.00	SUSSEX			
6,730.93	6,667.00	NIO A			
7,042.93	6,979.00	CODELL			
7,475.93	7,412.00	JSAND			

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
850.00	850.00	0.00	0.00	Start Build 2.00	
1,349.57	1,347.05	-41.36	13.31	Start 3881.78 hold at 1349.57 MD	
5,231.36	5,169.95	-682.48	219.62	Start Drop -2.00	
5,730.93	5,667.00	-723.84	232.93	Start 1898.00 hold at 5730.93 MD	
7,628.93	7,565.00	-723.84	232.93	TD at 7628.93	



US ROCKIES REGION PLANNING

**COLORADO NORTHERN ZONE - 83
WELD_GEIB 1-26 PAD
P_GEIB 41-26**

**P_GEIB 41-26
PLAN #1 1-19-10 RHS**

Anticollision Report

19 January, 2010



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_GEIB 41-26
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4657.00ft (Original Well Elev)
Reference Site:	WELD_GEIB 1-26 PAD	MD Reference:	WELL @ 4657.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_GEIB 41-26	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_GEIB 41-26	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 1-19-10 RHS	Offset TVD Reference:	Offset Datum

Reference	PLAN #1 1-19-10 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	1/19/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	7,628.93	PLAN #1 1-19-10 RHS (P_GEIB 41-26)	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_GEIB 1-26 PAD							
P_GEIB 26-26 - P_GEIB 26-26 - PLAN #1 1-19-10 RHS	850.00	850.00	15.68	12.12	4.402	CC, ES	
P_GEIB 26-26 - P_GEIB 26-26 - PLAN #1 1-19-10 RHS	900.00	899.75	16.47	12.70	4.368	SF	
VETTING #1-26 EXISTING - VETTING #1-26 EXISTING	850.00	850.00	51.94	18.46	1.551	CC	
VETTING #1-26 EXISTING - VETTING #1-26 EXISTING	1,000.00	999.93	54.57	14.84	1.374	Level 3, ES	
VETTING #1-26 EXISTING - VETTING #1-26 EXISTING	1,100.00	1,099.68	59.60	15.76	1.359	Level 3, SF	

Offset Design		WELD_GEIB 1-26 PAD - P_GEIB 26-26 - P_GEIB 26-26 - PLAN #1 1-19-10 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		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.68	0.00	15.68						
100.00	100.00	100.00	100.00	0.10	0.10	0.00	15.68	0.00	15.68	15.49	0.19	82.078			
200.00	200.00	200.00	200.00	0.32	0.32	0.00	15.68	0.00	15.68	15.04	0.64	24.479			
300.00	300.00	300.00	300.00	0.55	0.55	0.00	15.68	0.00	15.68	14.59	1.09	14.385			
400.00	400.00	400.00	400.00	0.77	0.77	0.00	15.68	0.00	15.68	14.14	1.54	10.185			
500.00	500.00	500.00	500.00	0.99	0.99	0.00	15.68	0.00	15.68	13.69	1.99	7.883			
600.00	600.00	600.00	600.00	1.22	1.22	0.00	15.68	0.00	15.68	13.24	2.44	6.430			
700.00	700.00	700.00	700.00	1.44	1.44	0.00	15.68	0.00	15.68	12.79	2.89	5.429			
800.00	800.00	800.00	800.00	1.67	1.67	0.00	15.68	0.00	15.68	12.34	3.34	4.698			
850.00	850.00	850.00	850.00	1.78	1.78	0.00	15.68	0.00	15.68	12.12	3.56	4.402 CC, ES			
900.00	900.00	899.75	899.75	1.88	1.89	-161.86	16.05	0.22	16.47	12.70	3.77	4.368 SF			
1,000.00	999.93	998.96	998.89	2.06	2.11	-160.21	19.03	1.95	22.80	18.64	4.16	5.477			
1,100.00	1,099.68	1,097.26	1,096.96	2.25	2.33	-158.65	24.90	5.37	35.44	30.88	4.56	7.772			
1,200.00	1,199.13	1,194.11	1,193.28	2.46	2.56	-157.63	33.52	10.39	54.30	49.34	4.96	10.946			
1,300.00	1,298.15	1,288.95	1,287.24	2.70	2.81	-156.97	44.68	16.90	79.25	73.88	5.37	14.767			
1,349.57	1,347.05	1,335.10	1,332.79	2.84	2.94	-156.71	51.08	20.63	93.82	88.25	5.57	16.844			
1,400.00	1,396.71	1,383.07	1,380.07	2.99	3.08	-156.62	58.06	24.69	109.37	103.57	5.80	18.865			
1,500.00	1,495.19	1,478.20	1,473.85	3.30	3.37	-156.49	71.88	32.75	140.19	133.93	6.26	22.399			
1,600.00	1,593.67	1,573.33	1,567.62	3.63	3.68	-156.41	85.71	40.80	171.02	164.29	6.73	25.404			
1,700.00	1,692.16	1,668.46	1,661.40	3.97	3.99	-156.36	99.53	48.86	201.85	194.63	7.21	27.977			
1,800.00	1,790.64	1,763.59	1,755.17	4.33	4.31	-156.32	113.36	56.92	232.67	224.97	7.71	30.197			
1,900.00	1,889.12	1,858.72	1,848.95	4.69	4.64	-156.29	127.19	64.97	263.50	255.30	8.20	32.126			

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_GEIB 41-26
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4657.00ft (Original Well Elev)
Reference Site:	WELD_GEIB 1-26 PAD	MD Reference:	WELL @ 4657.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_GEIB 41-26	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_GEIB 41-26	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 1-19-10 RHS	Offset TVD Reference:	Offset Datum

Offset Design WELD_GEIB 1-26 PAD - P_GEIB 26-26 - P_GEIB 26-26 - PLAN #1 1-19-10 RHS												Offset Site Error:	0.00 ft
Survey Program: 0-MWMD												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
2,000.00	1,987.61	1,953.85	1,942.72	5.06	4.97	-156.26	141.01	73.03	294.33	285.62	8.70	33.814	
2,100.00	2,086.09	2,048.98	2,036.49	5.43	5.31	-156.24	154.84	81.08	325.16	315.94	9.21	35.301	
2,200.00	2,184.57	2,144.11	2,130.27	5.81	5.65	-156.23	168.66	89.14	355.98	346.26	9.72	36.618	
2,300.00	2,283.06	2,239.24	2,224.04	6.19	5.99	-156.21	182.49	97.20	386.81	376.58	10.23	37.793	
2,400.00	2,381.54	2,334.37	2,317.82	6.58	6.34	-156.20	196.32	105.25	417.64	406.89	10.75	38.846	
2,500.00	2,480.02	2,429.50	2,411.59	6.96	6.69	-156.19	210.14	113.31	448.47	437.20	11.27	39.794	
2,600.00	2,578.51	2,524.63	2,505.36	7.35	7.04	-156.18	223.97	121.36	479.29	467.50	11.79	40.652	
2,700.00	2,676.99	2,619.76	2,599.14	7.74	7.39	-156.17	237.79	129.42	510.12	497.81	12.31	41.431	
2,800.00	2,775.47	2,714.89	2,692.91	8.13	7.74	-156.17	251.62	137.48	540.95	528.11	12.84	42.142	
2,900.00	2,873.96	2,810.02	2,786.69	8.53	8.09	-156.16	265.45	145.53	571.77	558.41	13.36	42.792	
3,000.00	2,972.44	2,905.15	2,880.46	8.92	8.45	-156.15	279.27	153.59	602.60	588.71	13.89	43.390	
3,100.00	3,070.92	3,000.28	2,974.24	9.32	8.80	-156.15	293.10	161.65	633.43	619.01	14.42	43.941	
3,200.00	3,169.41	3,095.41	3,068.01	9.71	9.16	-156.14	306.92	169.70	664.26	649.31	14.94	44.449	
3,300.00	3,267.89	3,190.54	3,161.78	10.11	9.51	-156.14	320.75	177.76	695.08	679.61	15.47	44.921	
3,400.00	3,366.37	3,285.67	3,255.56	10.51	9.87	-156.14	334.58	185.81	725.91	709.91	16.00	45.359	
3,500.00	3,464.86	3,380.80	3,349.33	10.90	10.23	-156.13	348.40	193.87	756.74	740.21	16.53	45.768	
3,600.00	3,563.34	3,475.93	3,443.11	11.30	10.58	-156.13	362.23	201.93	787.57	770.50	17.07	46.149	
3,700.00	3,661.82	3,571.06	3,536.88	11.70	10.94	-156.13	376.05	209.98	818.39	800.80	17.60	46.505	
3,800.00	3,760.31	3,666.19	3,630.66	12.10	11.30	-156.12	389.88	218.04	849.22	831.09	18.13	46.840	
3,900.00	3,858.79	3,761.32	3,724.43	12.50	11.66	-156.12	403.71	226.10	880.05	861.39	18.66	47.154	
4,000.00	3,957.27	3,856.45	3,818.20	12.90	12.02	-156.12	417.53	234.15	910.88	891.68	19.20	47.449	
4,100.00	4,055.76	3,951.58	3,911.98	13.30	12.38	-156.12	431.36	242.21	941.70	921.97	19.73	47.728	
4,200.00	4,154.24	4,046.70	4,005.75	13.70	12.74	-156.11	445.18	250.26	972.53	952.27	20.26	47.991	
4,300.00	4,252.72	4,141.83	4,099.53	14.10	13.10	-156.11	459.01	258.32	1,003.36	982.56	20.80	48.240	
4,400.00	4,351.21	4,236.96	4,193.30	14.50	13.46	-156.11	472.84	266.38	1,034.19	1,012.85	21.33	48.475	
4,500.00	4,449.69	4,332.09	4,287.07	14.90	13.82	-156.11	486.66	274.43	1,065.01	1,043.14	21.87	48.699	
4,600.00	4,548.17	4,427.22	4,380.85	15.30	14.18	-156.11	500.49	282.49	1,095.84	1,073.44	22.40	48.911	
4,700.00	4,646.66	4,522.35	4,474.62	15.70	14.54	-156.11	514.31	290.54	1,126.67	1,103.73	22.94	49.112	
4,800.00	4,745.14	4,617.48	4,568.40	16.11	14.90	-156.10	528.14	298.60	1,157.50	1,134.02	23.48	49.304	
4,900.00	4,843.62	4,712.61	4,662.17	16.51	15.26	-156.10	541.97	306.66	1,188.32	1,164.31	24.01	49.487	
5,000.00	4,942.11	4,807.74	4,755.95	16.91	15.62	-156.10	555.79	314.71	1,219.15	1,194.60	24.55	49.662	
5,100.00	5,040.59	4,902.87	4,849.72	17.31	15.99	-156.10	569.62	322.77	1,249.98	1,224.89	25.09	49.828	
5,200.00	5,139.07	4,998.00	4,943.49	17.71	16.35	-156.10	583.44	330.83	1,280.81	1,255.18	25.62	49.988	
5,231.36	5,169.95	5,027.83	4,972.90	17.84	16.46	-156.10	587.78	333.35	1,290.47	1,264.68	25.79	50.036	
5,300.00	5,237.69	5,093.36	5,037.49	18.07	16.71	-156.26	597.30	338.90	1,310.92	1,284.70	26.22	50.003	
5,400.00	5,336.81	5,189.57	5,132.33	18.32	17.08	-156.41	611.29	347.05	1,338.12	1,311.33	26.79	49.955	
5,500.00	5,436.32	5,338.92	5,279.95	18.53	17.55	-156.43	630.80	358.42	1,360.91	1,333.50	27.41	49.655	
5,600.00	5,536.12	5,513.83	5,454.02	18.71	17.95	-156.44	645.32	366.88	1,375.40	1,347.43	27.97	49.180	
5,700.00	5,636.07	5,691.38	5,631.44	18.85	18.23	-156.46	650.63	369.98	1,381.14	1,352.70	28.45	48.553	
5,730.93	5,667.00	5,726.94	5,667.00	18.89	18.28	5.69	650.65	369.99	1,381.31	1,352.75	28.56	48.366	
5,800.00	5,736.07	5,796.01	5,736.07	18.98	18.37	5.69	650.65	369.99	1,381.31	1,352.51	28.80	47.969	
5,900.00	5,836.07	5,896.01	5,836.07	19.10	18.52	5.69	650.65	369.99	1,381.31	1,352.16	29.15	47.390	
6,000.00	5,936.07	5,996.01	5,936.07	19.22	18.67	5.69	650.65	369.99	1,381.31	1,351.80	29.50	46.820	
6,100.00	6,036.07	6,096.01	6,036.07	19.34	18.82	5.69	650.65	369.99	1,381.31	1,351.45	29.86	46.260	
6,200.00	6,136.07	6,196.01	6,136.07	19.47	18.97	5.69	650.65	369.99	1,381.31	1,351.09	30.22	45.709	
6,300.00	6,236.07	6,296.01	6,236.07	19.59	19.13	5.69	650.65	369.99	1,381.31	1,350.72	30.58	45.167	
6,400.00	6,336.07	6,396.01	6,336.07	19.72	19.28	5.69	650.65	369.99	1,381.31	1,350.36	30.95	44.635	
6,500.00	6,436.07	6,496.01	6,436.07	19.85	19.44	5.69	650.65	369.99	1,381.31	1,349.99	31.31	44.112	
6,600.00	6,536.07	6,596.01	6,536.07	19.98	19.59	5.69	650.65	369.99	1,381.31	1,349.62	31.68	43.599	
6,700.00	6,636.07	6,696.01	6,636.07	20.11	19.75	5.69	650.65	369.99	1,381.31	1,349.25	32.05	43.094	
6,800.00	6,736.07	6,796.01	6,736.07	20.24	19.91	5.69	650.65	369.99	1,381.31	1,348.88	32.43	42.599	
6,900.00	6,836.07	6,896.01	6,836.07	20.38	20.08	5.69	650.65	369.99	1,381.31	1,348.51	32.80	42.112	

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_GEIB 41-26
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4657.00ft (Original Well Elev)
Reference Site:	WELD_GEIB 1-26 PAD	MD Reference:	WELL @ 4657.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_GEIB 41-26	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_GEIB 41-26	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 1-19-10 RHS	Offset TVD Reference:	Offset Datum

Offset Design WELD_GEIB 1-26 PAD - P_GEIB 26-26 - P_GEIB 26-26 - PLAN #1 1-19-10 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	
7,000.00	6,936.07	6,996.01	6,936.07	20.52	20.24	5.69	650.65	369.99	1,381.31	1,348.13	33.18	41.634	
7,100.00	7,036.07	7,096.01	7,036.07	20.65	20.40	5.69	650.65	369.99	1,381.31	1,347.75	33.56	41.164	
7,200.00	7,136.07	7,196.01	7,136.07	20.79	20.57	5.69	650.65	369.99	1,381.31	1,347.37	33.94	40.703	
7,300.00	7,236.07	7,296.01	7,236.07	20.94	20.74	5.69	650.65	369.99	1,381.31	1,346.99	34.32	40.250	
7,400.00	7,336.07	7,396.01	7,336.07	21.08	20.90	5.69	650.65	369.99	1,381.31	1,346.60	34.70	39.805	
7,500.00	7,436.07	7,496.01	7,436.07	21.22	21.07	5.69	650.65	369.99	1,381.31	1,346.22	35.09	39.369	
7,600.00	7,536.07	7,596.01	7,536.07	21.37	21.24	5.69	650.65	369.99	1,381.31	1,345.83	35.47	38.940	
7,628.93	7,565.00	7,599.94	7,540.00	21.41	21.25	5.69	650.65	369.99	1,381.53	1,346.00	35.53	38.879	

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_GEIB 41-26
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4657.00ft (Original Well Elev)
Reference Site:	WELD_GEIB 1-26 PAD	MD Reference:	WELL @ 4657.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_GEIB 41-26	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_GEIB 41-26	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 1-19-10 RHS	Offset TVD Reference:	Offset Datum

Offset Design												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	
0.00	0.00	0.00	0.00	0.00	0.00	-67.31	20.04	-47.92	51.94				
100.00	100.00	100.00	100.00	0.10	1.70	-67.31	20.04	-47.92	51.94	50.15	1.80	28.928	
200.00	200.00	200.00	200.00	0.32	5.70	-67.31	20.04	-47.92	51.94	45.92	6.02	8.628	
300.00	300.00	300.00	300.00	0.55	9.70	-67.31	20.04	-47.92	51.94	41.70	10.25	5.070	
400.00	400.00	400.00	400.00	0.77	13.70	-67.31	20.04	-47.92	51.94	37.47	14.47	3.590	
500.00	500.00	500.00	500.00	0.99	17.70	-67.31	20.04	-47.92	51.94	33.25	18.69	2.778	
600.00	600.00	600.00	600.00	1.22	21.70	-67.31	20.04	-47.92	51.94	29.02	22.92	2.266	
700.00	700.00	700.00	700.00	1.44	25.70	-67.31	20.04	-47.92	51.94	24.80	27.14	1.914	
800.00	800.00	800.00	800.00	1.67	29.70	-67.31	20.04	-47.92	51.94	20.57	31.37	1.656	
850.00	850.00	850.00	850.00	1.78	31.70	-67.31	20.04	-47.92	51.94	18.46	33.48	1.551 CC	
900.00	900.00	900.00	900.00	1.88	33.70	130.89	20.04	-47.92	52.23	16.65	35.58	1.468 Level 3	
1,000.00	999.93	999.93	999.93	2.06	37.70	133.62	20.04	-47.92	54.57	14.84	39.73	1.374 Level 3, ES	
1,100.00	1,099.68	1,099.68	1,099.68	2.25	41.69	138.41	20.04	-47.92	59.60	15.76	43.84	1.359 Level 3, SF	
1,200.00	1,199.13	1,199.13	1,199.13	2.46	45.67	144.18	20.04	-47.92	67.79	19.90	47.89	1.416 Level 3	
1,300.00	1,298.15	1,298.15	1,298.15	2.70	49.63	149.92	20.04	-47.92	79.52	27.69	51.83	1.534	
1,349.57	1,347.05	1,347.05	1,347.05	2.84	51.58	152.56	20.04	-47.92	86.71	32.98	53.73	1.614	
1,400.00	1,396.71	1,396.71	1,396.71	2.99	53.57	155.00	20.04	-47.92	94.58	38.80	55.78	1.696	
1,500.00	1,495.19	1,495.19	1,495.19	3.30	57.51	158.79	20.04	-47.92	110.59	50.73	59.85	1.848	
1,600.00	1,593.67	1,593.67	1,593.67	3.63	61.45	161.62	20.04	-47.92	126.95	63.00	63.94	1.985	
1,700.00	1,692.16	1,692.16	1,692.16	3.97	65.39	163.80	20.04	-47.92	143.54	75.50	68.04	2.110	
1,800.00	1,790.64	1,790.64	1,790.64	4.33	69.33	165.53	20.04	-47.92	160.29	88.15	72.14	2.222	
1,900.00	1,889.12	1,889.12	1,889.12	4.69	73.26	166.93	20.04	-47.92	177.16	100.91	76.25	2.323	
2,000.00	1,987.61	1,987.61	1,987.61	5.06	77.20	168.09	20.04	-47.92	194.11	113.75	80.36	2.416	
2,100.00	2,086.09	2,086.09	2,086.09	5.43	81.14	169.06	20.04	-47.92	211.13	126.65	84.47	2.499	
2,200.00	2,184.57	2,184.57	2,184.57	5.81	85.08	169.89	20.04	-47.92	228.19	139.60	88.59	2.576	
2,300.00	2,283.06	2,283.06	2,283.06	6.19	89.02	170.60	20.04	-47.92	245.30	152.59	92.71	2.646	
2,400.00	2,381.54	2,381.54	2,381.54	6.58	92.96	171.22	20.04	-47.92	262.44	165.61	96.83	2.710	
2,500.00	2,480.02	2,480.02	2,480.02	6.96	96.90	171.76	20.04	-47.92	279.60	178.65	100.95	2.770	
2,600.00	2,578.51	2,578.51	2,578.51	7.35	100.84	172.24	20.04	-47.92	296.79	191.72	105.07	2.825	
2,700.00	2,676.99	2,676.99	2,676.99	7.74	104.78	172.67	20.04	-47.92	313.99	204.80	109.20	2.875	
2,800.00	2,775.47	2,775.47	2,775.47	8.13	108.72	173.05	20.04	-47.92	331.21	217.89	113.32	2.923	
2,900.00	2,873.96	2,873.96	2,873.96	8.53	112.66	173.39	20.04	-47.92	348.45	231.00	117.45	2.967	
3,000.00	2,972.44	2,972.44	2,972.44	8.92	116.60	173.71	20.04	-47.92	365.69	244.11	121.58	3.008	
3,100.00	3,070.92	3,070.92	3,070.92	9.32	120.54	173.99	20.04	-47.92	382.94	257.24	125.71	3.046	
3,200.00	3,169.41	3,169.41	3,169.41	9.71	124.48	174.25	20.04	-47.92	400.20	270.37	129.83	3.082	
3,300.00	3,267.89	3,267.89	3,267.89	10.11	128.42	174.49	20.04	-47.92	417.47	283.51	133.96	3.116	
3,400.00	3,366.37	3,366.37	3,366.37	10.51	132.35	174.71	20.04	-47.92	434.75	296.66	138.09	3.148	
3,500.00	3,464.86	3,464.86	3,464.86	10.90	136.29	174.91	20.04	-47.92	452.03	309.81	142.22	3.178	
3,600.00	3,563.34	3,563.34	3,563.34	11.30	140.23	175.10	20.04	-47.92	469.32	322.96	146.35	3.207	
3,700.00	3,661.82	3,661.82	3,661.82	11.70	144.17	175.27	20.04	-47.92	486.61	336.13	150.48	3.234	
3,800.00	3,760.31	3,760.31	3,760.31	12.10	148.11	175.44	20.04	-47.92	503.90	349.29	154.61	3.259	
3,900.00	3,858.79	3,858.79	3,858.79	12.50	152.05	175.59	20.04	-47.92	521.20	362.46	158.74	3.283	
4,000.00	3,957.27	3,957.27	3,957.27	12.90	155.99	175.73	20.04	-47.92	538.50	375.63	162.88	3.306	
4,100.00	4,055.76	4,055.76	4,055.76	13.30	159.93	175.86	20.04	-47.92	555.81	388.80	167.01	3.328	
4,200.00	4,154.24	4,154.24	4,154.24	13.70	163.87	175.99	20.04	-47.92	573.12	401.98	171.14	3.349	
4,300.00	4,252.72	4,252.72	4,252.72	14.10	167.81	176.11	20.04	-47.92	590.43	415.15	175.27	3.369	
4,400.00	4,351.21	4,351.21	4,351.21	14.50	171.75	176.22	20.04	-47.92	607.74	428.33	179.40	3.388	
4,500.00	4,449.69	4,449.69	4,449.69	14.90	175.69	176.32	20.04	-47.92	625.05	441.52	183.54	3.406	
4,600.00	4,548.17	4,548.17	4,548.17	15.30	179.63	176.42	20.04	-47.92	642.37	454.70	187.67	3.423	
4,700.00	4,646.66	4,646.66	4,646.66	15.70	183.57	176.52	20.04	-47.92	659.69	467.89	191.80	3.439	
4,800.00	4,745.14	4,745.14	4,745.14	16.11	187.51	176.61	20.04	-47.92	677.01	481.07	195.94	3.455	
4,900.00	4,843.62	4,843.62	4,843.62	16.51	191.44	176.69	20.04	-47.92	694.33	494.26	200.07	3.470	

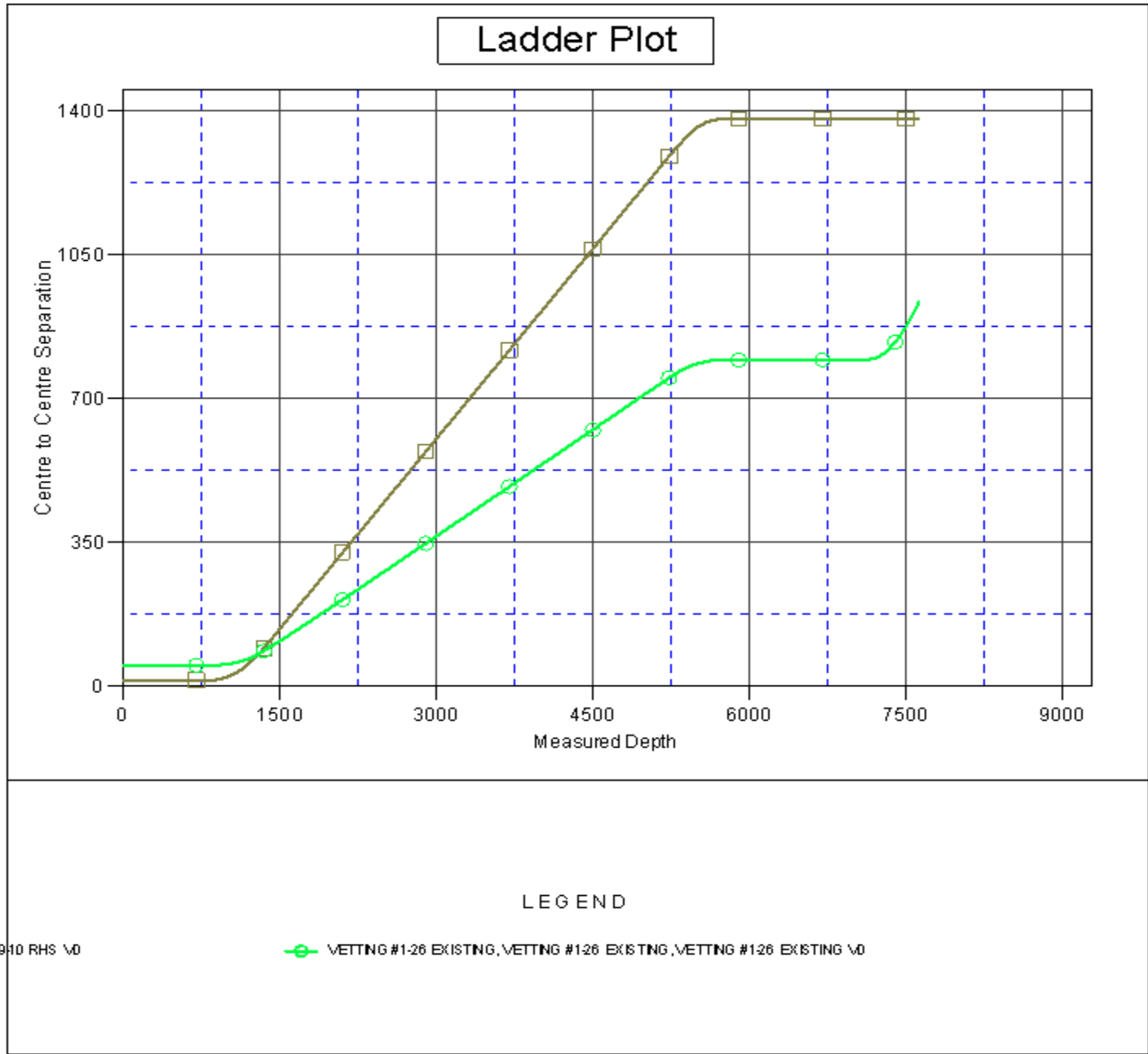
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_GEIB 41-26
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4657.00ft (Original Well Elev)
Reference Site:	WELD_GEIB 1-26 PAD	MD Reference:	WELL @ 4657.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_GEIB 41-26	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_GEIB 41-26	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 1-19-10 RHS	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.00 ft
WELD_GEIB 1-26 PAD - VETTING #1-26 EXISTING - VETTING #1-26 EXISTING - VETTING #1-26 EX												Offset Well Error:	0.00 ft
Survey Program: 0-UNKNOWN													
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	4,942.11	4,942.11	4,942.11	16.91	195.38	176.77	20.04	-47.92	711.65	507.45	204.20	3.485	
5,100.00	5,040.59	5,040.59	5,040.59	17.31	199.32	176.85	20.04	-47.92	728.98	520.64	208.34	3.499	
5,200.00	5,139.07	5,139.07	5,139.07	17.71	203.26	176.92	20.04	-47.92	746.30	533.83	212.47	3.513	
5,231.36	5,169.95	5,169.95	5,169.95	17.84	204.50	176.94	20.04	-47.92	751.73	537.97	213.76	3.517	
5,300.00	5,237.69	5,237.69	5,237.69	18.07	207.21	177.00	20.04	-47.92	762.82	545.47	217.35	3.510	
5,400.00	5,336.81	5,336.81	5,336.81	18.32	211.17	177.06	20.04	-47.92	776.06	553.61	222.44	3.489	
5,500.00	5,436.32	5,436.32	5,436.32	18.53	215.15	177.11	20.04	-47.92	785.83	558.53	227.30	3.457	
5,600.00	5,536.12	5,536.12	5,536.12	18.71	219.14	177.14	20.04	-47.92	792.14	560.22	231.91	3.416	
5,700.00	5,636.07	5,636.07	5,636.07	18.85	223.14	177.15	20.04	-47.92	794.96	558.70	236.25	3.365	
5,730.93	5,667.00	5,667.00	5,667.00	18.89	224.38	-20.68	20.04	-47.92	795.13	557.58	237.54	3.347	
5,800.00	5,736.07	5,736.07	5,736.07	18.98	227.14	-20.68	20.04	-47.92	795.13	554.69	240.43	3.307	
5,900.00	5,836.07	5,836.07	5,836.07	19.10	231.14	-20.68	20.04	-47.92	795.13	550.52	244.60	3.251	
6,000.00	5,936.07	5,936.07	5,936.07	19.22	235.14	-20.68	20.04	-47.92	795.13	546.35	248.78	3.196	
6,100.00	6,036.07	6,036.07	6,036.07	19.34	239.14	-20.68	20.04	-47.92	795.13	542.17	252.95	3.143	
6,200.00	6,136.07	6,136.07	6,136.07	19.47	243.14	-20.68	20.04	-47.92	795.13	538.00	257.13	3.092	
6,300.00	6,236.07	6,236.07	6,236.07	19.59	247.14	-20.68	20.04	-47.92	795.13	533.82	261.31	3.043	
6,400.00	6,336.07	6,336.07	6,336.07	19.72	251.14	-20.68	20.04	-47.92	795.13	529.64	265.48	2.995	
6,500.00	6,436.07	6,436.07	6,436.07	19.85	255.14	-20.68	20.04	-47.92	795.13	525.46	269.66	2.949	
6,600.00	6,536.07	6,536.07	6,536.07	19.98	259.14	-20.68	20.04	-47.92	795.13	521.28	273.85	2.904	
6,700.00	6,636.07	6,636.07	6,636.07	20.11	263.14	-20.68	20.04	-47.92	795.13	517.10	278.03	2.860	
6,800.00	6,736.07	6,736.07	6,736.07	20.24	267.14	-20.68	20.04	-47.92	795.13	512.91	282.21	2.817	
6,900.00	6,836.07	6,836.07	6,836.07	20.38	271.14	-20.68	20.04	-47.92	795.13	508.73	286.40	2.776	
7,000.00	6,936.07	6,936.07	6,936.07	20.52	275.14	-20.68	20.04	-47.92	795.13	504.54	290.58	2.736	
7,100.00	7,036.07	7,036.07	7,036.07	20.65	279.14	-20.68	20.04	-47.92	795.13	500.36	294.77	2.697	
7,101.65	7,037.72	7,037.72	7,037.72	20.66	279.21	-20.68	20.04	-47.92	795.13	500.29	294.84	2.697	
7,200.00	7,136.07	7,070.00	7,070.00	20.79	280.50	-20.68	20.04	-47.92	797.87	501.55	296.31	2.693	
7,300.00	7,236.07	7,070.00	7,070.00	20.94	280.50	-20.68	20.04	-47.92	812.28	515.78	296.50	2.740	
7,400.00	7,336.07	7,070.00	7,070.00	21.08	280.50	-20.68	20.04	-47.92	838.46	541.77	296.69	2.826	
7,500.00	7,436.07	7,070.00	7,070.00	21.22	280.50	-20.68	20.04	-47.92	875.35	578.46	296.88	2.948	
7,600.00	7,536.07	7,070.00	7,070.00	21.37	280.50	-20.68	20.04	-47.92	921.65	624.58	297.08	3.102	
7,628.93	7,565.00	7,070.00	7,070.00	21.41	280.50	-20.68	20.04	-47.92	936.62	639.49	297.13	3.152	

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_GEIB 41-26
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4657.00ft (Original Well Elev)
Reference Site:	WELD_GEIB 1-26 PAD	MD Reference:	WELL @ 4657.00ft (Original Well Elev)
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_GEIB 41-26	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_GEIB 41-26	Database:	EDM 2003.21 Single User Db
Reference Design:	PLAN #1 1-19-10 RHS	Offset TVD Reference:	Offset Datum

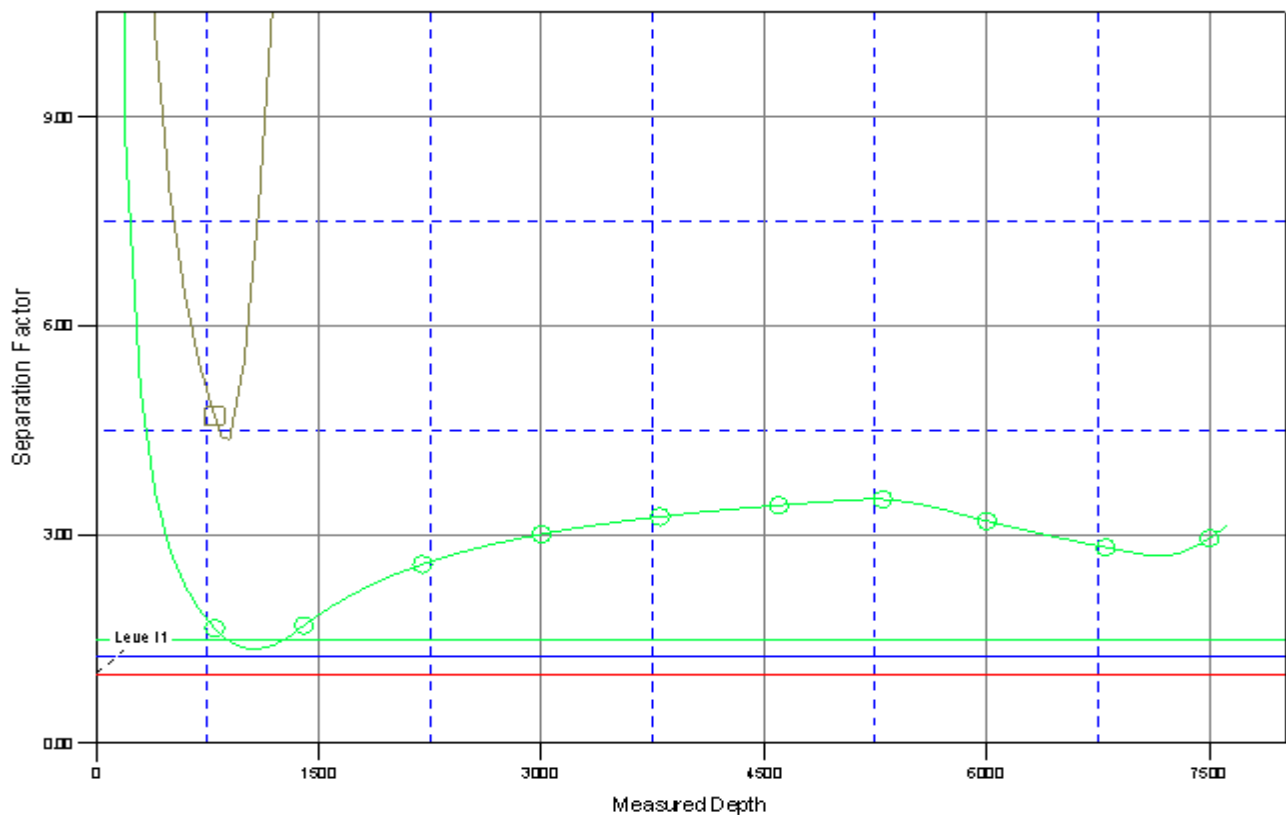
Reference Depths are relative to WELL @ 4657.00ft (Original Well Elev) Coordinates are relative to: P_GEIB 41-26
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.57°



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_GEIB 41-26
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4657.00ft (Original Well Elev)
Reference Site:	WELD_GEIB 1-26 PAD	MD Reference:	WELL @ 4657.00ft (Original Well Elev)
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Well Error:	0.00ft	Output errors are at	2.00 sigma
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Central Meridian is 105° 30' 0.000 W ° Grid Convergence at Surface is: 0.57°

Separation Factor Plot



LEGEND

1910 RHS W0

— VETTING #1-26 EXISTING, VETTING #1-26 EXISTING, VETTING #1-26 EXISTING W0