



# **US ROCKIES REGION PLANNING**

COLORADO NORTHERN ZONE - 83

WELD\_WIEDMAN PAD

P\_WIEDEMAN 3-5

P\_WIEDEMAN 3-5

Plan: PLAN #1 5-25-10 RHS

## **Standard Planning Report**

26 May, 2010

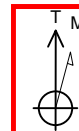




Project: COLORADO NORTHERN ZONE - 83  
 Site: WELD\_WIEDMAN PAD  
 Well: P\_WIEDEMAN 3-5  
 Wellbore: P\_WIEDEMAN 3-5  
 Section: SECTION 5 T5N R65W  
 SHL: 1102 FNL 1358 FWL  
 Design: PLAN #1 5-25-10 RHS  
 Latitude: 40° 26' 2.670 N  
 Longitude: 104° 48' 25.038 W  
 GL: 4753.00  
 KB: WELL @ 4768.00ft (Original Well Elev)



**Weatherford**



Azimuths to True North  
 Magnetic North: 9.03°

Magnetic Field  
 Strength: 53256.9snT  
 Dip Angle: 67.11°  
 Date: 5/25/2010  
 Model: IGRF2010

#### FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3433.00	3471.02	PARKMAN
4143.00	4193.41	SUSSEX
6747.00	6819.22	NIO
7082.00	7154.22	CODELL
7159.00	7231.22	GREENHORN

#### CASING DETAILS

TVD	MD	Name	Size
800.00	800.00	8 5/8"	8.62

#### SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00
1431.33	10.63	55.76	1428.29	27.64	40.62	2.00	55.76	49.13	Start 3856.56 hold at 1431.33 MD
5287.89	10.63	55.76	5218.71	427.76	628.57	0.00	0.00	760.31	Start Drop -2.00
5819.22	0.00	0.00	5747.00	455.40	669.19	2.00	180.00	809.45	Start 1495.00 hold at 5819.22 MD
7314.22	0.00	0.00	7242.00	455.40	669.19	0.00	0.00	809.45	TD at 7314.22

#### LEGEND

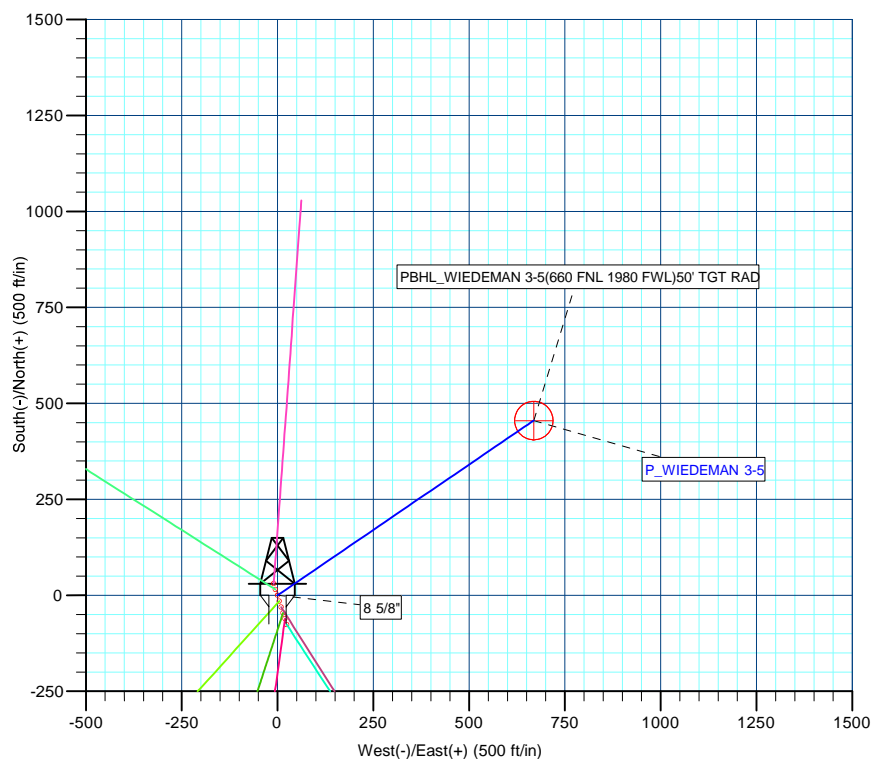
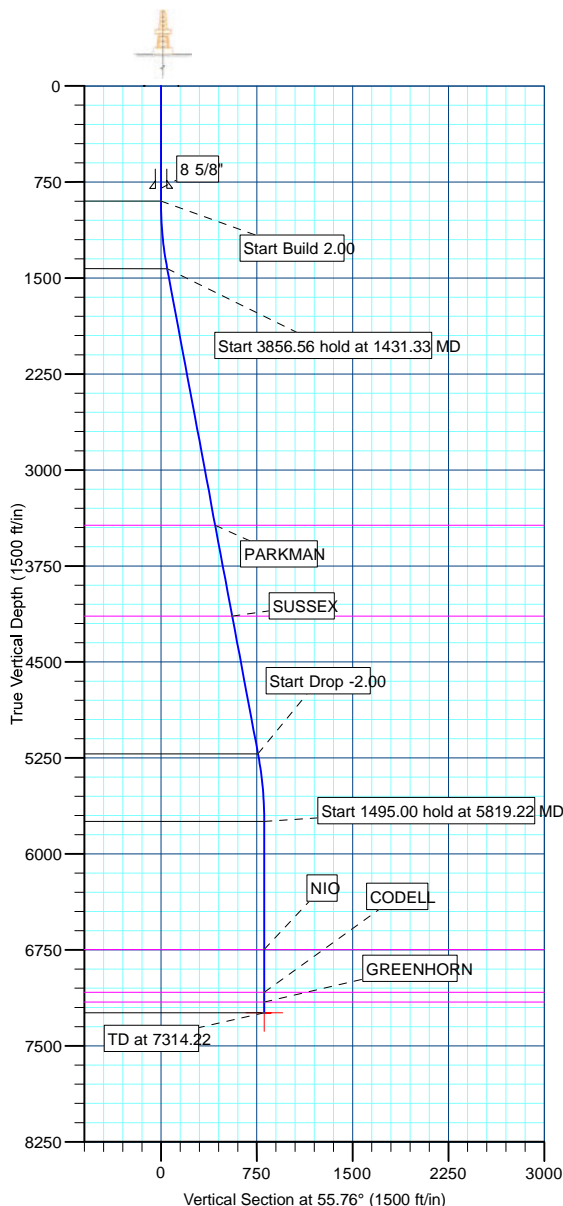
- P\_WIEDEMAN 18-5, P\_WIEDEMAN 18-5, PLAN #1 5-25-10 RHS V0
- P\_WIEDEMAN 22-5, P\_WIEDEMAN 22-5, PLAN #1 5-25-10 RHS V0
- P\_WIEDEMAN 25-5, P\_WIEDEMAN 25-5, PLAN #1 5-25-10 RHS V0
- P\_WIEDEMAN 29-5, P\_WIEDEMAN 29-5, PLAN #1 5-25-10 RHS V0
- P\_WIEDEMAN 4-5, P\_WIEDEMAN 4-5, PLAN #1 5-25-10 RHS V0
- P\_WIEDEMAN 5-5, P\_WIEDEMAN 5-5, PLAN #1 5-25-10 RHS V0
- P\_WIEDEMAN 6-5, P\_WIEDEMAN 6-5, PLAN #1 5-25-10 RHS V0
- PLAN #1 5-25-10 RHS

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

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
PBHL	7242.00	455.40	669.19	40° 26' 7.170 N	104° 48' 16.384 W	Circle (Radius: 50.00)

#### WELL DETAILS: P\_WIEDEMAN 3-5

+N/-S	+E/-W	Northing	Ground Level:	4753.00	Latitude	Longitude	Slot
0.00	0.00	1401727.74	Easting	3192921.23	40° 26' 2.670 N	104° 48' 25.038 W	



Plan: PLAN #1 5-25-10 RHS (P\_WIEDEMAN 3-5/P\_WIEDEMAN 3-5)

Created By: Robert H. Scott Date: 8:41, May 26 2010

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_WIEDEMAN 3-5
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 4768.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4768.00ft (Original Well Elev)
Site:	WELD_WIEDMAN PAD	North Reference:	True
Well:	P_WIEDEMAN 3-5	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_WIEDEMAN 3-5		
Design:	PLAN #1 5-25-10 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_WIEDMAN PAD, SECTION 5 T5N R65W			
Site Position:		Northing:	1,401,682.33ft	Latitude:	40° 26' 2.220 N
From:	Lat/Long	Easting:	3,192,936.34ft	Longitude:	104° 48' 24.847 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.45 °

Well	P_WIEDEMAN 3-5					
Well Position	+N/-S	45.53 ft	Northing:	1,401,727.74 ft	Latitude:	40° 26' 2.670 N
	+E/-W	-14.75 ft	Easting:	3,192,921.23 ft	Longitude:	104° 48' 25.038 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	4,753.00 ft

Wellbore	P_WIEDEMAN 3-5				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/25/2010	9.03	67.11	53,257

Design	PLAN #1 5-25-10 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	55.76

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	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,431.33	10.63	55.76	1,428.29	27.64	40.62	2.00	2.00	0.00	55.76	
5,287.89	10.63	55.76	5,218.71	427.76	628.57	0.00	0.00	0.00	0.00	
5,819.22	0.00	0.00	5,747.00	455.40	669.19	2.00	-2.00	0.00	180.00	
7,314.22	0.00	0.00	7,242.00	455.40	669.19	0.00	0.00	0.00	0.00	PBHL_WIEDEMAN

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_WIEDEMAN 3-5
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 4768.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4768.00ft (Original Well Elev)
Site:	WELD_WIEDMAN PAD	North Reference:	True
Well:	P_WIEDEMAN 3-5	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_WIEDEMAN 3-5		
Design:	PLAN #1 5-25-10 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									
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	2.00	55.76	999.98	0.98	1.44	1.75	2.00	2.00	0.00
1,100.00	4.00	55.76	1,099.84	3.93	5.77	6.98	2.00	2.00	0.00
1,200.00	6.00	55.76	1,199.45	8.83	12.97	15.69	2.00	2.00	0.00
1,300.00	8.00	55.76	1,298.70	15.69	23.05	27.88	2.00	2.00	0.00
1,400.00	10.00	55.76	1,397.47	24.49	35.98	43.52	2.00	2.00	0.00
Start 3856.56 hold at 1431.33 MD									
1,431.33	10.63	55.76	1,428.29	27.64	40.62	49.13	2.00	2.00	0.00
1,500.00	10.63	55.76	1,495.78	34.77	51.09	61.79	0.00	0.00	0.00
1,600.00	10.63	55.76	1,594.07	45.14	66.33	80.24	0.00	0.00	0.00
1,700.00	10.63	55.76	1,692.35	55.52	81.58	98.68	0.00	0.00	0.00
1,800.00	10.63	55.76	1,790.64	65.89	96.82	117.12	0.00	0.00	0.00
1,900.00	10.63	55.76	1,888.92	76.27	112.07	135.56	0.00	0.00	0.00
2,000.00	10.63	55.76	1,987.21	86.64	127.32	154.00	0.00	0.00	0.00
2,100.00	10.63	55.76	2,085.49	97.02	142.56	172.44	0.00	0.00	0.00
2,200.00	10.63	55.76	2,183.78	107.39	157.81	190.88	0.00	0.00	0.00
2,300.00	10.63	55.76	2,282.06	117.77	173.05	209.32	0.00	0.00	0.00
2,400.00	10.63	55.76	2,380.35	128.14	188.30	227.76	0.00	0.00	0.00
2,500.00	10.63	55.76	2,478.63	138.51	203.54	246.20	0.00	0.00	0.00
2,600.00	10.63	55.76	2,576.92	148.89	218.79	264.64	0.00	0.00	0.00
2,700.00	10.63	55.76	2,675.20	159.26	234.03	283.09	0.00	0.00	0.00
2,800.00	10.63	55.76	2,773.49	169.64	249.28	301.53	0.00	0.00	0.00
2,900.00	10.63	55.76	2,871.77	180.01	264.53	319.97	0.00	0.00	0.00
3,000.00	10.63	55.76	2,970.06	190.39	279.77	338.41	0.00	0.00	0.00
3,100.00	10.63	55.76	3,068.34	200.76	295.02	356.85	0.00	0.00	0.00
3,200.00	10.63	55.76	3,166.63	211.14	310.26	375.29	0.00	0.00	0.00
3,300.00	10.63	55.76	3,264.91	221.51	325.51	393.73	0.00	0.00	0.00
3,400.00	10.63	55.76	3,363.20	231.89	340.75	412.17	0.00	0.00	0.00
PARKMAN									
3,471.02	10.63	55.76	3,433.00	239.26	351.58	425.27	0.00	0.00	0.00
3,500.00	10.63	55.76	3,461.48	242.26	356.00	430.61	0.00	0.00	0.00
3,600.00	10.63	55.76	3,559.77	252.64	371.24	449.05	0.00	0.00	0.00
3,700.00	10.63	55.76	3,658.05	263.01	386.49	467.49	0.00	0.00	0.00
3,800.00	10.63	55.76	3,756.34	273.39	401.74	485.93	0.00	0.00	0.00
3,900.00	10.63	55.76	3,854.62	283.76	416.98	504.38	0.00	0.00	0.00
4,000.00	10.63	55.76	3,952.91	294.14	432.23	522.82	0.00	0.00	0.00
4,100.00	10.63	55.76	4,051.19	304.51	447.47	541.26	0.00	0.00	0.00
SUSSEX									
4,193.41	10.63	55.76	4,143.00	314.20	461.71	558.48	0.00	0.00	0.00
4,200.00	10.63	55.76	4,149.48	314.89	462.72	559.70	0.00	0.00	0.00
4,300.00	10.63	55.76	4,247.76	325.26	477.96	578.14	0.00	0.00	0.00
4,400.00	10.63	55.76	4,346.05	335.64	493.21	596.58	0.00	0.00	0.00
4,500.00	10.63	55.76	4,444.33	346.01	508.45	615.02	0.00	0.00	0.00
4,600.00	10.63	55.76	4,542.62	356.39	523.70	633.46	0.00	0.00	0.00
4,700.00	10.63	55.76	4,640.90	366.76	538.95	651.90	0.00	0.00	0.00
4,800.00	10.63	55.76	4,739.19	377.14	554.19	670.34	0.00	0.00	0.00
4,900.00	10.63	55.76	4,837.47	387.51	569.44	688.78	0.00	0.00	0.00
5,000.00	10.63	55.76	4,935.76	397.89	584.68	707.22	0.00	0.00	0.00
5,100.00	10.63	55.76	5,034.04	408.26	599.93	725.67	0.00	0.00	0.00
5,200.00	10.63	55.76	5,132.33	418.64	615.17	744.11	0.00	0.00	0.00
Start Drop -2.00									
5,287.89	10.63	55.76	5,218.71	427.76	628.57	760.31	0.00	0.00	0.00

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_WIEDEMAN 3-5
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 4768.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4768.00ft (Original Well Elev)
Site:	WELD_WIEDMAN PAD	North Reference:	True
Well:	P_WIEDEMAN 3-5	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_WIEDEMAN 3-5		
Design:	PLAN #1 5-25-10 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	10.38	55.76	5,230.61	429.00	630.40	762.52	2.00	-2.00	0.00
5,400.00	8.38	55.76	5,329.27	438.17	643.88	778.83	2.00	-2.00	0.00
5,500.00	6.38	55.76	5,428.44	445.40	654.50	791.68	2.00	-2.00	0.00
5,600.00	4.38	55.76	5,527.99	450.68	662.26	801.06	2.00	-2.00	0.00
5,700.00	2.38	55.76	5,627.81	454.00	667.14	806.97	2.00	-2.00	0.00
5,800.00	0.38	55.76	5,727.78	455.36	669.14	809.38	2.00	-2.00	0.00
Start 1495.00 hold at 5819.22 MD									
5,819.22	0.00	0.00	5,747.00	455.40	669.19	809.45	2.00	-2.00	-290.09
5,900.00	0.00	0.00	5,827.78	455.40	669.19	809.45	0.00	0.00	0.00
6,000.00	0.00	0.00	5,927.78	455.40	669.19	809.45	0.00	0.00	0.00
6,100.00	0.00	0.00	6,027.78	455.40	669.19	809.45	0.00	0.00	0.00
6,200.00	0.00	0.00	6,127.78	455.40	669.19	809.45	0.00	0.00	0.00
6,300.00	0.00	0.00	6,227.78	455.40	669.19	809.45	0.00	0.00	0.00
6,400.00	0.00	0.00	6,327.78	455.40	669.19	809.45	0.00	0.00	0.00
6,500.00	0.00	0.00	6,427.78	455.40	669.19	809.45	0.00	0.00	0.00
6,600.00	0.00	0.00	6,527.78	455.40	669.19	809.45	0.00	0.00	0.00
6,700.00	0.00	0.00	6,627.78	455.40	669.19	809.45	0.00	0.00	0.00
6,800.00	0.00	0.00	6,727.78	455.40	669.19	809.45	0.00	0.00	0.00
NIO									
6,819.22	0.00	0.00	6,747.00	455.40	669.19	809.45	0.00	0.00	0.00
6,900.00	0.00	0.00	6,827.78	455.40	669.19	809.45	0.00	0.00	0.00
7,000.00	0.00	0.00	6,927.78	455.40	669.19	809.45	0.00	0.00	0.00
7,100.00	0.00	0.00	7,027.78	455.40	669.19	809.45	0.00	0.00	0.00
CODELL									
7,154.22	0.00	0.00	7,082.00	455.40	669.19	809.45	0.00	0.00	0.00
7,200.00	0.00	0.00	7,127.78	455.40	669.19	809.45	0.00	0.00	0.00
GREENHORN									
7,231.22	0.00	0.00	7,159.00	455.40	669.19	809.45	0.00	0.00	0.00
7,300.00	0.00	0.00	7,227.78	455.40	669.19	809.45	0.00	0.00	0.00
PBHL_WIEDEMAN 3-5(660 FNL 1980 FWL)50' TGT RAD									
7,314.22	0.00	0.00	7,242.00	455.40	669.19	809.45	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_WIEDEMAN 3- - plan hits target center - Circle (radius 50.00)	0.00	0.00	7,242.00	455.40	669.19	1,402,188.35	3,193,586.84	40° 26' 7.170 N	104° 48' 16.384 W

#### Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
800.00	800.00	8 5/8"	8.62	11.00

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well P_WIEDEMAN 3-5
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 4768.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4768.00ft (Original Well Elev)
Site:	WELD_WIEDMAN PAD	North Reference:	True
Well:	P_WIEDEMAN 3-5	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_WIEDEMAN 3-5		
Design:	PLAN #1 5-25-10 RHS		

#### Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,471.02	3,433.00	PARKMAN			
4,193.41	4,143.00	SUSSEX			
6,819.22	6,747.00	NIO			
7,154.22	7,082.00	CODELL			
7,231.22	7,159.00	GREENHORN			

#### Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
900.00	900.00	0.00	0.00	Start Build 2.00
1,431.33	1,428.29	27.64	40.62	Start 3856.56 hold at 1431.33 MD
5,287.89	5,218.71	427.76	628.57	Start Drop -2.00
5,819.22	5,747.00	455.40	669.19	Start 1495.00 hold at 5819.22 MD
7,314.22	7,242.00	455.40	669.19	TD at 7314.22