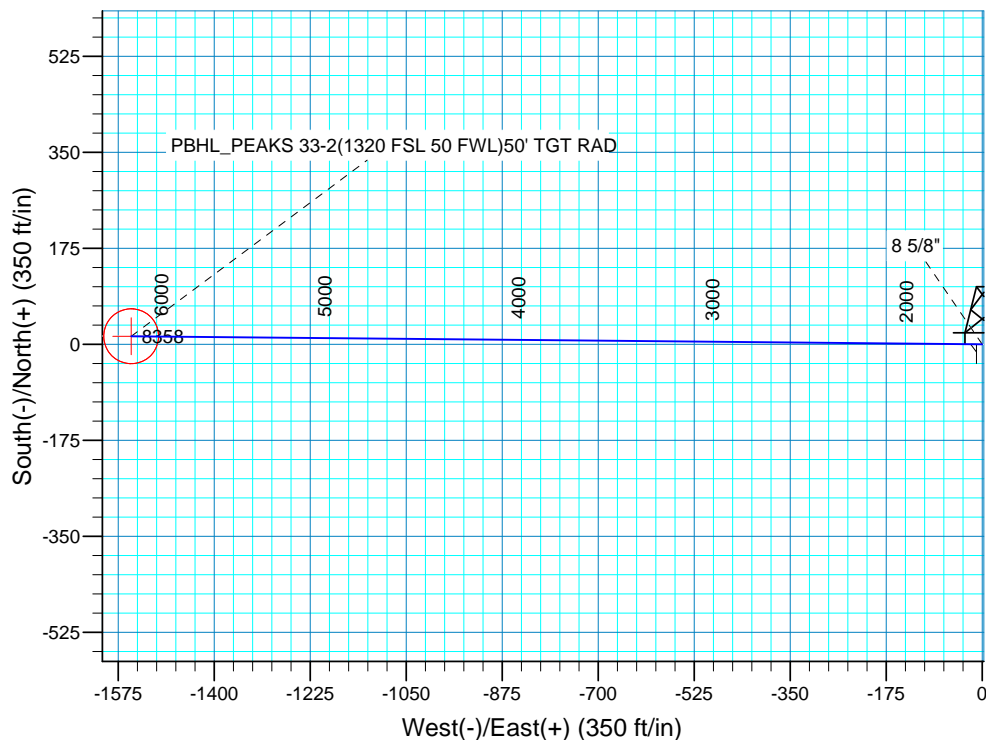
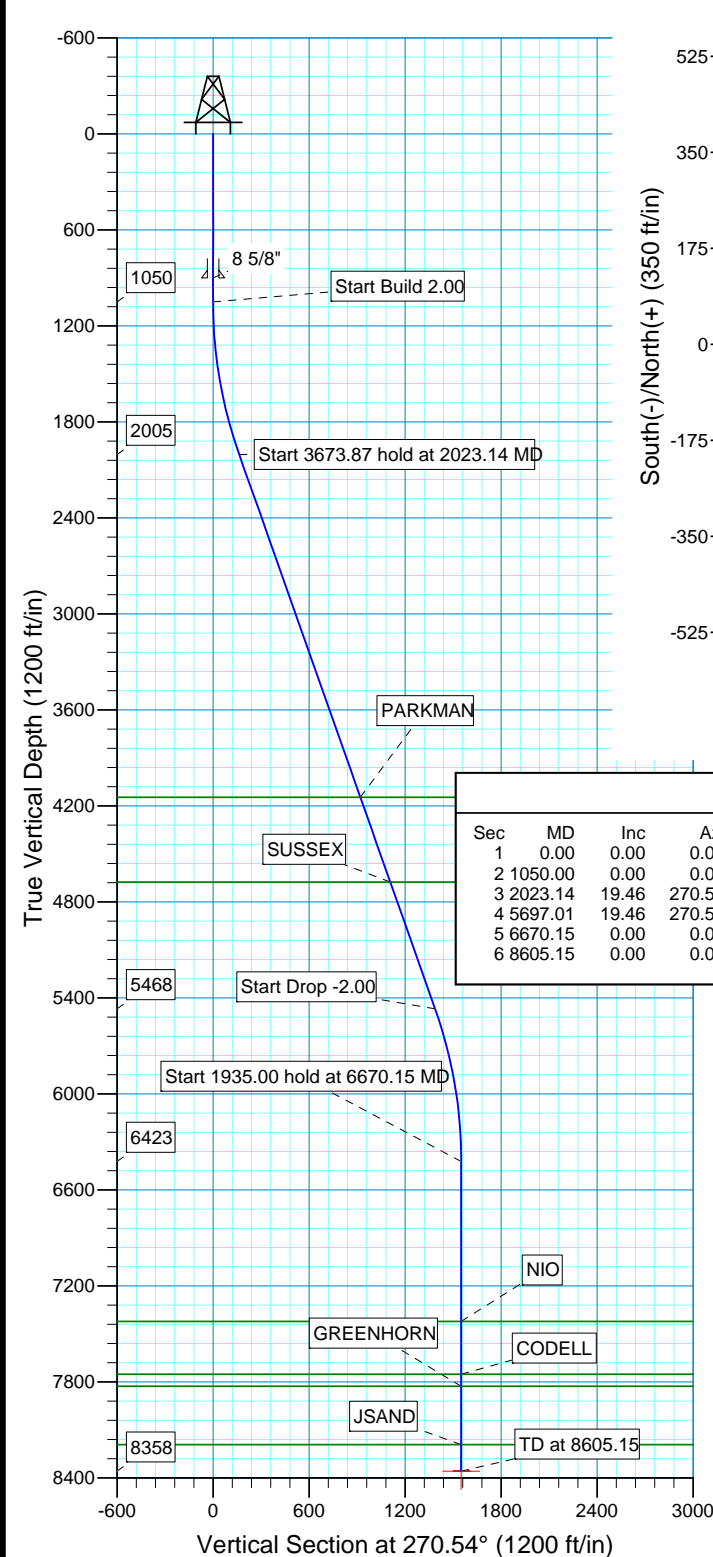
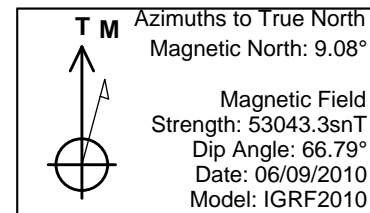


WELL DETAILS: P_PEAKS 33-2								
+N/-S	+E/-W	Northing	Easting	KB @ 5046.00ft	5031.00	Latitude	Longitude	
0.00	0.00	1271191.94	3147126.67			40° 4' 35.814 N	104° 58' 27.271 W	
WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	8358.00	14.62	-1551.44	1271197.37	3145575.1740	40° 4' 35.958 N	104° 58' 47.230 W	Circle (Radius: 50.00)



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Target
2	1050.00	0.00	0.00	1050.00	0.00	0.00	0.00	0.00	0.00	
3	2023.14	19.46	270.54	2004.53	1.54	-163.69	2.00	270.54	163.70	
4	5697.01	19.46	270.54	5468.47	13.08	-1387.75	0.00	0.00	1387.81	
5	6670.15	0.00	0.00	6423.00	14.63	-1551.44	2.00	180.00	1551.51	
6	8605.15	0.00	0.00	8358.00	14.63	-1551.44	0.00	0.00	1551.51	PBHL_PEAKS 33-2(1320 FSL 50 FWL)50' TGT RAD

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4147.00	4295.45	PARKMAN
4677.00	4857.57	SUSSEX
7423.00	7670.15	NIO
7753.00	8000.15	CODELL
7828.00	8075.15	GREENHORN
8193.00	8440.15	JSAND

PROJECT DETAILS: COLORADO NORTHERN ZONE - 83

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Colorado Northern Zone
 Location: SECTION 2 T1N R68W
 System Datum: Mean Sea Level
 Local North: True

US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

WELD_PEAKS 14-2 PAD

P_PEAKS 33-2

P_PEAKS 33-2

PLAN #1 7-22-10 RHS

Anticollision Summary Report

25 July, 2010

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_PEAKS 33-2
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	KB @ 5046.00ft
Reference Site:	WELD_PEAKS 14-2 PAD	MD Reference:	KB @ 5046.00ft
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_PEAKS 33-2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_PEAKS 33-2	Database:	EDM 2003.16 Single User Db
Reference Design:	PLAN #1 7-22-10 RHS	Offset TVD Reference:	Offset Datum

Reference	PLAN #1 7-22-10 RHS		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	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 07/25/2010			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	8,605.15	PLAN #1 7-22-10 RHS (P_PEAKS 33-2)	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_PEAKS 14-2 PAD						
HELEN GRANT UNIT A #2 EXISTING - HELEN GRANT	100.00	84.82	50.50	48.71	28.181 CC	
HELEN GRANT UNIT A #2 EXISTING - HELEN GRANT	1,200.00	1,184.68	57.53	10.22	1.216 Level 2 , ES, SF	
JAMES S HALEY TRUSTEE B #2 EXISTING - JAMES S	5,145.48	5,045.00	714.45	687.43	26.448 CC, ES	
JAMES S HALEY TRUSTEE B #2 EXISTING - JAMES S	8,605.15	8,377.97	823.51	787.25	22.712 SF	
JAMES S HALEY TRUSTEE B #3 EXISTING - JAMES S	4,664.21	5,015.00	1,792.39	1,776.94	116.012 CC, ES	
JAMES S HALEY TRUSTEE B #3 EXISTING - JAMES S	8,605.15	8,349.75	2,145.76	1,991.90	13.946 SF	
JAMES S HALEY TRUSTEE B #4 EXISTING - JAMES S	5,091.12	5,036.00	871.76	848.45	37.394 CC	
JAMES S HALEY TRUSTEE B #4 EXISTING - JAMES S	5,100.00	5,036.00	871.81	848.44	37.309 ES	
JAMES S HALEY TRUSTEE B #4 EXISTING - JAMES S	8,605.15	8,320.15	1,165.03	1,006.13	7.332 SF	
JAMES S. HALEY TRUSTEE B #1 EXISTING - JAMES S	4,740.66	5,027.00	1,639.90	1,624.26	104.848 CC, ES	
JAMES S. HALEY TRUSTEE B #1 EXISTING - JAMES S	8,605.15	8,310.14	2,045.72	1,892.07	13.314 SF	
P_PEAKS 11-2 - P_PEAKS 11-2 - PLAN #1 7-22-10 RHS	1,010.26	1,010.26	29.97	25.68	6.997 CC	
P_PEAKS 11-2 - P_PEAKS 11-2 - PLAN #1 7-22-10 RHS	1,050.00	1,049.98	29.98	25.52	6.720 ES	
P_PEAKS 11-2 - P_PEAKS 11-2 - PLAN #1 7-22-10 RHS	1,100.00	1,099.91	30.48	25.80	6.517 SF	
P_PEAKS 12-2 - P_PEAKS 12-2 - PLAN #1 7-22-10 RHS	1,050.00	1,050.00	9.81	5.35	2.199 CC	
P_PEAKS 12-2 - P_PEAKS 12-2 - PLAN #1 7-22-10 RHS	1,100.00	1,099.83	9.84	5.17	2.105 ES	
P_PEAKS 12-2 - P_PEAKS 12-2 - PLAN #1 7-22-10 RHS	1,200.00	1,199.46	10.33	5.24	2.031 SF	
P_PEAKS 13-2 - P_PEAKS 13-2 - PLAN #1 7-22-10 RHS	1,050.00	1,050.00	10.10	5.64	2.263 CC	
P_PEAKS 13-2 - P_PEAKS 13-2 - PLAN #1 7-22-10 RHS	1,100.00	1,100.09	10.26	5.60	2.199 ES, SF	
P_PEAKS 14-2 - P_PEAKS 14-2 - PLAN #1 7-22-10 RHS	1,050.00	1,050.00	39.95	35.49	8.955 CC, ES	
P_PEAKS 14-2 - P_PEAKS 14-2 - PLAN #1 7-22-10 RHS	1,100.00	1,099.45	40.69	36.03	8.725 SF	
P_PEAKS 35-2 - P_Peaks 35-2 - Plan #1 7-23-10 RHS	1,050.00	1,050.00	20.12	-2.78	0.879 Level 1 , CC	
P_PEAKS 35-2 - P_Peaks 35-2 - Plan #1 7-23-10 RHS	8,605.15	8,521.90	1,785.35	-1,674.27	0.516 Level 1 , ES, SF	
P_PEAKS 36-2 - P_PEAKS 36-2 - PLAN #1 7-22-10 RHS	1,050.00	1,050.00	50.05	45.59	11.217 CC, ES	
P_PEAKS 36-2 - P_PEAKS 36-2 - PLAN #1 7-22-10 RHS	1,100.00	1,099.24	50.82	46.16	10.897 SF	

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well P_PEAKS 33-2
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	KB @ 5046.00ft
Reference Site:	WELD_PEAKS 14-2 PAD	MD Reference:	KB @ 5046.00ft
Site Error:	0.00ft	North Reference:	True
Reference Well:	P_PEAKS 33-2	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00ft	Output errors are at	2.00 sigma
Reference Wellbore	P_PEAKS 33-2	Database:	EDM 2003.16 Single User Db
Reference Design:	PLAN #1 7-22-10 RHS	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB @ 5046.00ft
Offset Depths are relative to Offset Datum
Central Meridian is 105° 30' 0.000 W °

Coordinates are relative to: P_PEAKS 33-2
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.34°

