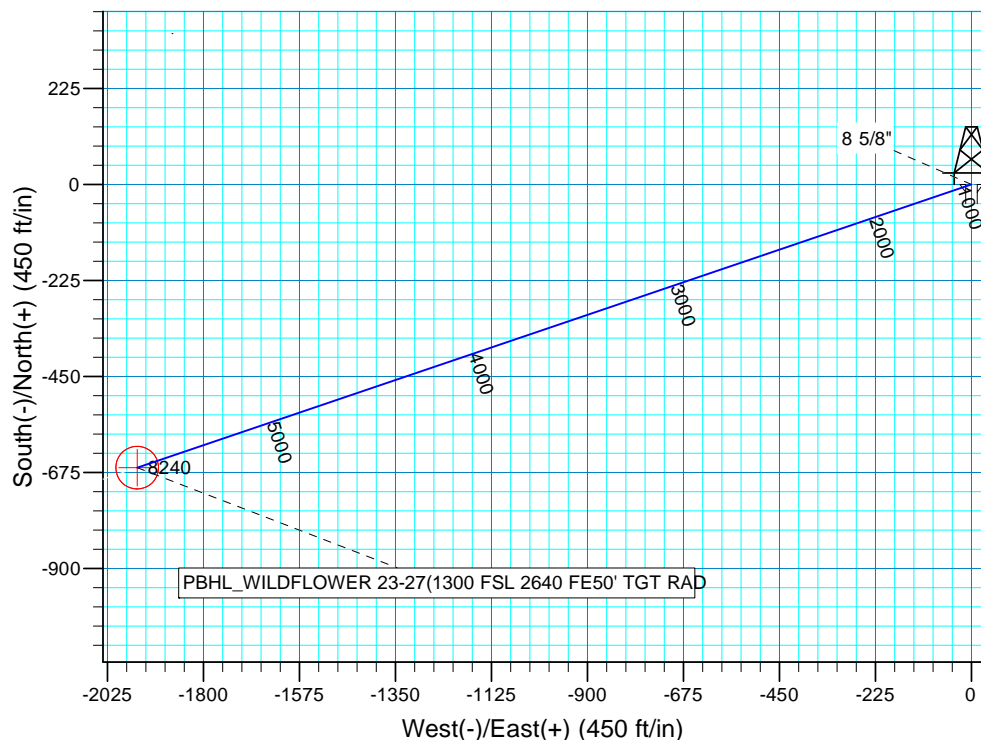
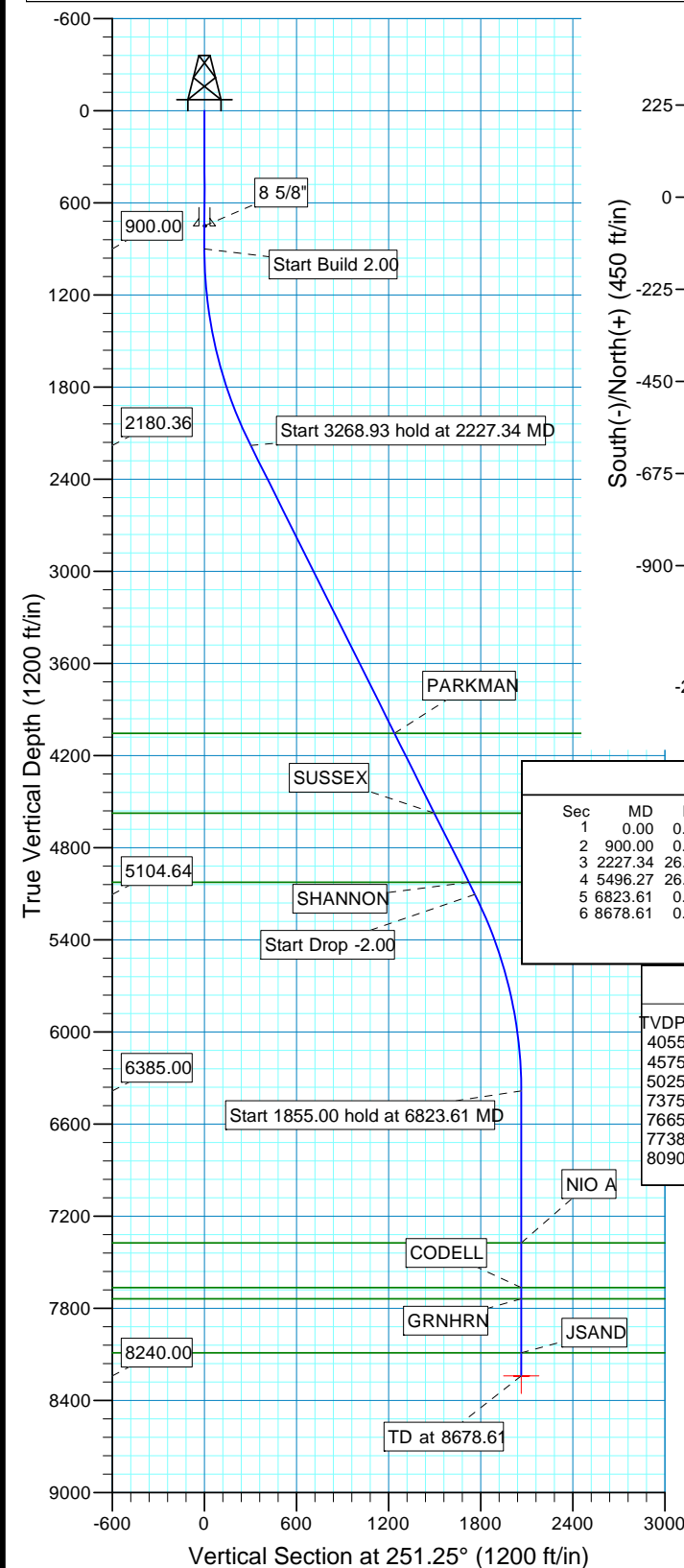
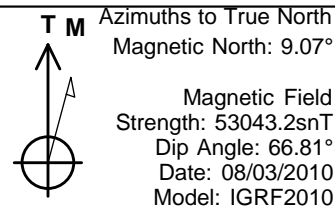


WELL DETAILS: P_WILDFLOWER 23-27

WELL @ 5018.00ft (Original Well Elev) 5003.00					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1282487.45	3144800.14	40° 6' 27.576 N	104° 58' 56.352 W

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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	8240.00	-663.63	-1955.52	1281812.41	3142848.53	40° 6' 21.017 N	104° 59' 21.520 W	Circle (Radius: 50.00)



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	
3	2227.34	26.55	251.25	2180.36	-97.06	-286.02	2.00	251.25	302.04	
4	5496.27	26.55	251.25	5104.64	-566.57	-1669.50	0.00	0.00	1763.02	
5	6823.61	0.00	0.00	6385.00	-663.63	-1955.52	2.00	180.00	2065.06	
6	8678.61	0.00	0.00	8240.00	-663.63	-1955.52	0.00	0.00	2065.06	PBHL_WILDFLOWER 23-27(1300 FSL 2640 FE50' TGT RAD

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4055.00	4322.92	PARKMAN
4575.00	4904.21	SUSSEX
5025.00	5407.24	SHANNON
7375.00	7813.61	NIO A
7665.00	8103.61	CODELL
7738.00	8176.61	GRNHRN
8090.00	8528.61	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 27 T2N R68W
System Datum: Mean Sea Level
Local North: True

US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

WELD_WILDFLOWER 9-27 PAD

P_WILDFLOWER 23-27

P_WILDFLOWER 23-27

Plan: PLAN #1 8-3-10 RHS

Standard Planning Report

03 August, 2010

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well P_WILDFLOWER 23-27
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5018.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5018.00ft (Original Well Elev)
Site:	WELD_WILDFLOWER 9-27 PAD	North Reference:	True
Well:	P_WILDFLOWER 23-27	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_WILDFLOWER 23-27		
Design:	PLAN #1 8-3-10 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_WILDFLOWER 9-27 PAD, SECTION 27 T2N R68W			
Site Position:		Northing:	1,282,487.51 usft	Latitude: 40° 6' 27.576 N
From:	Lat/Long	Easting:	3,144,809.93 usft	Longitude: 104° 58' 56.226 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence: 0.33 °

Well	P_WILDFLOWER 23-27, 1963' FSL 687' FEL			
Well Position	+N/-S	-0.01 ft	Northing:	1,282,487.44 usft
	+E/-W	-9.79 ft	Easting:	3,144,800.14 usft
Position Uncertainty		0.00 ft	Wellhead Elevation:	Ground Level: 5,003.00 ft

Wellbore	P_WILDFLOWER 23-27				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	08/03/2010	9.07	66.81	53,043

Design	PLAN #1 8-3-10 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	251.25

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	
2,227.34	26.55	251.25	2,180.36	-97.06	-286.02	2.00	2.00	0.00	251.25	
5,496.27	26.55	251.25	5,104.64	-566.57	-1,669.50	0.00	0.00	0.00	0.00	
6,823.61	0.00	0.00	6,385.00	-663.63	-1,955.52	2.00	-2.00	0.00	180.00	
8,678.61	0.00	0.00	8,240.00	-663.63	-1,955.52	0.00	0.00	0.00	0.00	PBHL_WILDFLOWEF

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well P_WILDFLOWER 23-27
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5018.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5018.00ft (Original Well Elev)
Site:	WELD_WILDFLOWER 9-27 PAD	North Reference:	True
Well:	P_WILDFLOWER 23-27	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_WILDFLOWER 23-27		
Design:	PLAN #1 8-3-10 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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	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
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
750.00	0.00	0.00	750.00	0.00	0.00	0.00	0.00	0.00	0.00
8 5/8"									
800.00	0.00	0.00	800.00	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
Start Build 2.00									
1,000.00	2.00	251.25	999.98	-0.56	-1.65	1.75	2.00	2.00	0.00
1,100.00	4.00	251.25	1,099.84	-2.24	-6.61	6.98	2.00	2.00	0.00
1,200.00	6.00	251.25	1,199.45	-5.04	-14.86	15.69	2.00	2.00	0.00
1,300.00	8.00	251.25	1,298.70	-8.96	-26.40	27.88	2.00	2.00	0.00
1,400.00	10.00	251.25	1,397.47	-13.99	-41.21	43.52	2.00	2.00	0.00
1,500.00	12.00	251.25	1,495.62	-20.12	-59.28	62.60	2.00	2.00	0.00
1,600.00	14.00	251.25	1,593.06	-27.35	-80.58	85.10	2.00	2.00	0.00
1,700.00	16.00	251.25	1,689.64	-35.66	-105.09	110.98	2.00	2.00	0.00
1,800.00	18.00	251.25	1,785.27	-45.06	-132.78	140.21	2.00	2.00	0.00
1,900.00	20.00	251.25	1,879.82	-55.52	-163.60	172.77	2.00	2.00	0.00
2,000.00	22.00	251.25	1,973.17	-67.04	-197.54	208.60	2.00	2.00	0.00
2,100.00	24.00	251.25	2,065.21	-79.59	-234.54	247.67	2.00	2.00	0.00
2,200.00	26.00	251.25	2,155.84	-93.17	-274.55	289.93	2.00	2.00	0.00
2,227.34	26.55	251.25	2,180.36	-97.06	-286.02	302.04	2.00	2.00	0.00
Start 3268.93 hold at 2227.34 MD									
2,300.00	26.55	251.25	2,245.36	-107.50	-316.77	334.51	0.00	0.00	0.00
2,400.00	26.55	251.25	2,334.81	-121.86	-359.09	379.20	0.00	0.00	0.00
2,500.00	26.55	251.25	2,424.27	-136.22	-401.41	423.90	0.00	0.00	0.00
2,600.00	26.55	251.25	2,513.73	-150.59	-443.73	468.59	0.00	0.00	0.00
2,700.00	26.55	251.25	2,603.18	-164.95	-486.06	513.28	0.00	0.00	0.00
2,800.00	26.55	251.25	2,692.64	-179.31	-528.38	557.97	0.00	0.00	0.00
2,900.00	26.55	251.25	2,782.10	-193.67	-570.70	602.67	0.00	0.00	0.00
3,000.00	26.55	251.25	2,871.55	-208.04	-613.02	647.36	0.00	0.00	0.00
3,100.00	26.55	251.25	2,961.01	-222.40	-655.34	692.05	0.00	0.00	0.00
3,200.00	26.55	251.25	3,050.47	-236.76	-697.67	736.75	0.00	0.00	0.00
3,300.00	26.55	251.25	3,139.92	-251.13	-739.99	781.44	0.00	0.00	0.00
3,400.00	26.55	251.25	3,229.38	-265.49	-782.31	826.13	0.00	0.00	0.00
3,500.00	26.55	251.25	3,318.84	-279.85	-824.63	870.83	0.00	0.00	0.00
3,600.00	26.55	251.25	3,408.30	-294.21	-866.96	915.52	0.00	0.00	0.00
3,700.00	26.55	251.25	3,497.75	-308.58	-909.28	960.21	0.00	0.00	0.00
3,800.00	26.55	251.25	3,587.21	-322.94	-951.60	1,004.90	0.00	0.00	0.00
3,900.00	26.55	251.25	3,676.67	-337.30	-993.92	1,049.60	0.00	0.00	0.00
4,000.00	26.55	251.25	3,766.12	-351.66	-1,036.25	1,094.29	0.00	0.00	0.00
4,100.00	26.55	251.25	3,855.58	-366.03	-1,078.57	1,138.98	0.00	0.00	0.00
4,200.00	26.55	251.25	3,945.04	-380.39	-1,120.89	1,183.68	0.00	0.00	0.00
4,300.00	26.55	251.25	4,034.49	-394.75	-1,163.21	1,228.37	0.00	0.00	0.00
4,322.92	26.55	251.25	4,055.00	-398.04	-1,172.91	1,238.61	0.00	0.00	0.00
PARKMAN									
4,400.00	26.55	251.25	4,123.95	-409.11	-1,205.53	1,273.06	0.00	0.00	0.00
4,500.00	26.55	251.25	4,213.41	-423.48	-1,247.86	1,317.76	0.00	0.00	0.00
4,600.00	26.55	251.25	4,302.86	-437.84	-1,290.18	1,362.45	0.00	0.00	0.00

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well P_WILDFLOWER 23-27
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5018.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5018.00ft (Original Well Elev)
Site:	WELD_WILDFLOWER 9-27 PAD	North Reference:	True
Well:	P_WILDFLOWER 23-27	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_WILDFLOWER 23-27		
Design:	PLAN #1 8-3-10 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	26.55	251.25	4,392.32	-452.20	-1,332.50	1,407.14	0.00	0.00	0.00
4,800.00	26.55	251.25	4,481.78	-466.56	-1,374.82	1,451.83	0.00	0.00	0.00
4,900.00	26.55	251.25	4,571.24	-480.93	-1,417.15	1,496.53	0.00	0.00	0.00
4,904.21	26.55	251.25	4,575.00	-481.53	-1,418.93	1,498.41	0.00	0.00	0.00
SUSSEX									
5,000.00	26.55	251.25	4,660.69	-495.29	-1,459.47	1,541.22	0.00	0.00	0.00
5,100.00	26.55	251.25	4,750.15	-509.65	-1,501.79	1,585.91	0.00	0.00	0.00
5,200.00	26.55	251.25	4,839.61	-524.02	-1,544.11	1,630.61	0.00	0.00	0.00
5,300.00	26.55	251.25	4,929.06	-538.38	-1,586.44	1,675.30	0.00	0.00	0.00
5,400.00	26.55	251.25	5,018.52	-552.74	-1,628.76	1,719.99	0.00	0.00	0.00
5,407.24	26.55	251.25	5,025.00	-553.78	-1,631.82	1,723.23	0.00	0.00	0.00
SHANNON									
5,496.27	26.55	251.25	5,104.64	-566.57	-1,669.50	1,763.02	0.00	0.00	0.00
Start Drop -2.00									
5,500.00	26.47	251.25	5,107.98	-567.10	-1,671.08	1,764.68	2.00	-2.00	0.00
5,600.00	24.47	251.25	5,198.25	-580.92	-1,711.80	1,807.69	2.00	-2.00	0.00
5,700.00	22.47	251.25	5,289.97	-593.72	-1,749.52	1,847.52	2.00	-2.00	0.00
5,800.00	20.47	251.25	5,383.03	-605.48	-1,784.18	1,884.12	2.00	-2.00	0.00
5,900.00	18.47	251.25	5,477.30	-616.20	-1,815.75	1,917.45	2.00	-2.00	0.00
6,000.00	16.47	251.25	5,572.68	-625.85	-1,844.18	1,947.48	2.00	-2.00	0.00
6,100.00	14.47	251.25	5,669.06	-634.42	-1,869.44	1,974.15	2.00	-2.00	0.00
6,200.00	12.47	251.25	5,766.30	-641.90	-1,891.50	1,997.45	2.00	-2.00	0.00
6,300.00	10.47	251.25	5,864.30	-648.30	-1,910.33	2,017.34	2.00	-2.00	0.00
6,400.00	8.47	251.25	5,962.93	-653.58	-1,925.91	2,033.79	2.00	-2.00	0.00
6,500.00	6.47	251.25	6,062.07	-657.76	-1,938.23	2,046.80	2.00	-2.00	0.00
6,600.00	4.47	251.25	6,161.61	-660.83	-1,947.26	2,056.33	2.00	-2.00	0.00
6,700.00	2.47	251.25	6,261.42	-662.77	-1,952.99	2,062.39	2.00	-2.00	0.00
6,800.00	0.47	251.25	6,361.39	-663.60	-1,955.43	2,064.96	2.00	-2.00	0.00
6,823.61	0.00	0.00	6,385.00	-663.63	-1,955.52	2,065.06	2.00	-2.00	460.50
Start 1855.00 hold at 6823.61 MD									
6,900.00	0.00	0.00	6,461.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
7,000.00	0.00	0.00	6,561.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
7,100.00	0.00	0.00	6,661.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
7,200.00	0.00	0.00	6,761.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
7,300.00	0.00	0.00	6,861.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
7,400.00	0.00	0.00	6,961.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
7,500.00	0.00	0.00	7,061.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
7,600.00	0.00	0.00	7,161.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
7,700.00	0.00	0.00	7,261.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
7,800.00	0.00	0.00	7,361.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
7,813.61	0.00	0.00	7,375.00	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
NIO A									
7,900.00	0.00	0.00	7,461.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
8,000.00	0.00	0.00	7,561.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
8,100.00	0.00	0.00	7,661.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
8,103.61	0.00	0.00	7,665.00	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
CODELL									
8,176.61	0.00	0.00	7,738.00	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
GRNHRN									
8,200.00	0.00	0.00	7,761.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
8,300.00	0.00	0.00	7,861.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
8,400.00	0.00	0.00	7,961.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
8,500.00	0.00	0.00	8,061.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well P_WILDFLOWER 23-27
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5018.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5018.00ft (Original Well Elev)
Site:	WELD_WILDFLOWER 9-27 PAD	North Reference:	True
Well:	P_WILDFLOWER 23-27	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_WILDFLOWER 23-27		
Design:	PLAN #1 8-3-10 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)
8,528.61	0.00	0.00	8,090.00	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
JSAND									
8,600.00	0.00	0.00	8,161.39	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
8,678.61	0.00	0.00	8,240.00	-663.63	-1,955.52	2,065.06	0.00	0.00	0.00
PBHL_WILDFLOWER 23-27(1300 FSL 2640 FE50' TGT RAD									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL_WILDFLOWER 2	0.00	0.00	8,240.00	-663.63	-1,955.52	1,281,812.41	3,142,848.53	40° 6' 21.017 N	104° 59' 21.520 W
- plan hits target center									
- Circle (radius 50.00)									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
750.00	750.00	8 5/8"	8.620	11.000	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,322.92	4,055.00	PARKMAN			
4,904.21	4,575.00	SUSSEX			
5,407.24	5,025.00	SHANNON			
7,813.61	7,375.00	NIO A			
8,103.61	7,665.00	CODELL			
8,176.61	7,738.00	GRNHRN			
8,528.61	8,090.00	JSAND			

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
900.00	900.00	0.00	0.00	Start Build 2.00	
2,227.34	2,180.36	-97.06	-286.02	Start 3268.93 hold at 2227.34 MD	
5,496.27	5,104.64	-566.57	-1,669.50	Start Drop -2.00	
6,823.61	6,385.00	-663.63	-1,955.52	Start 1855.00 hold at 6823.61 MD	
8,678.61	8,240.00	-663.63	-1,955.52	TD at 8678.61	