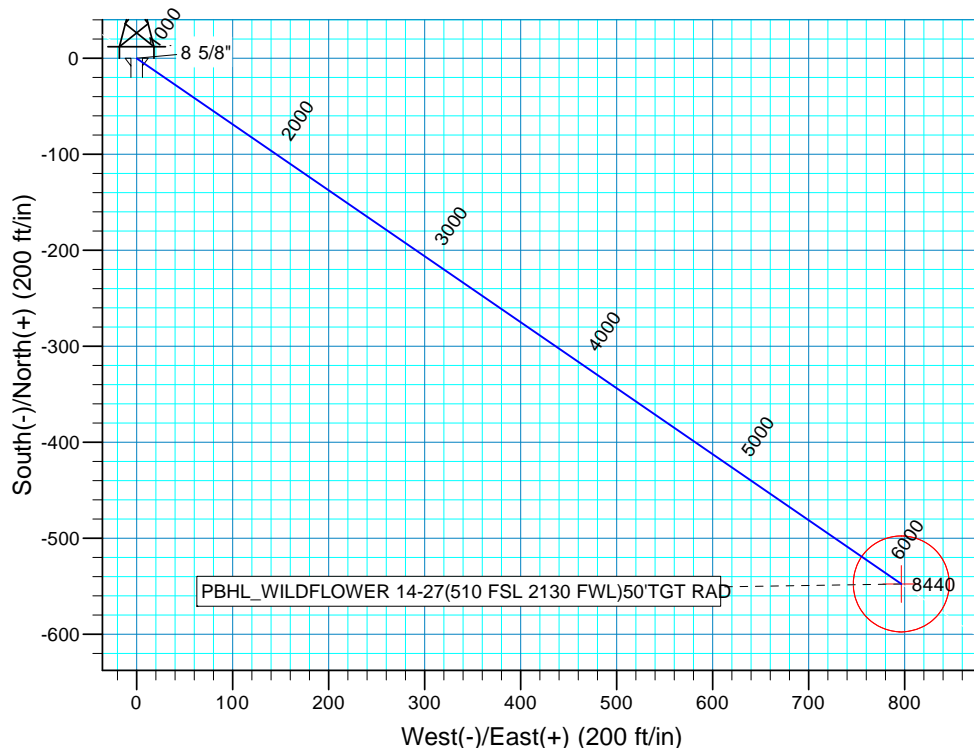
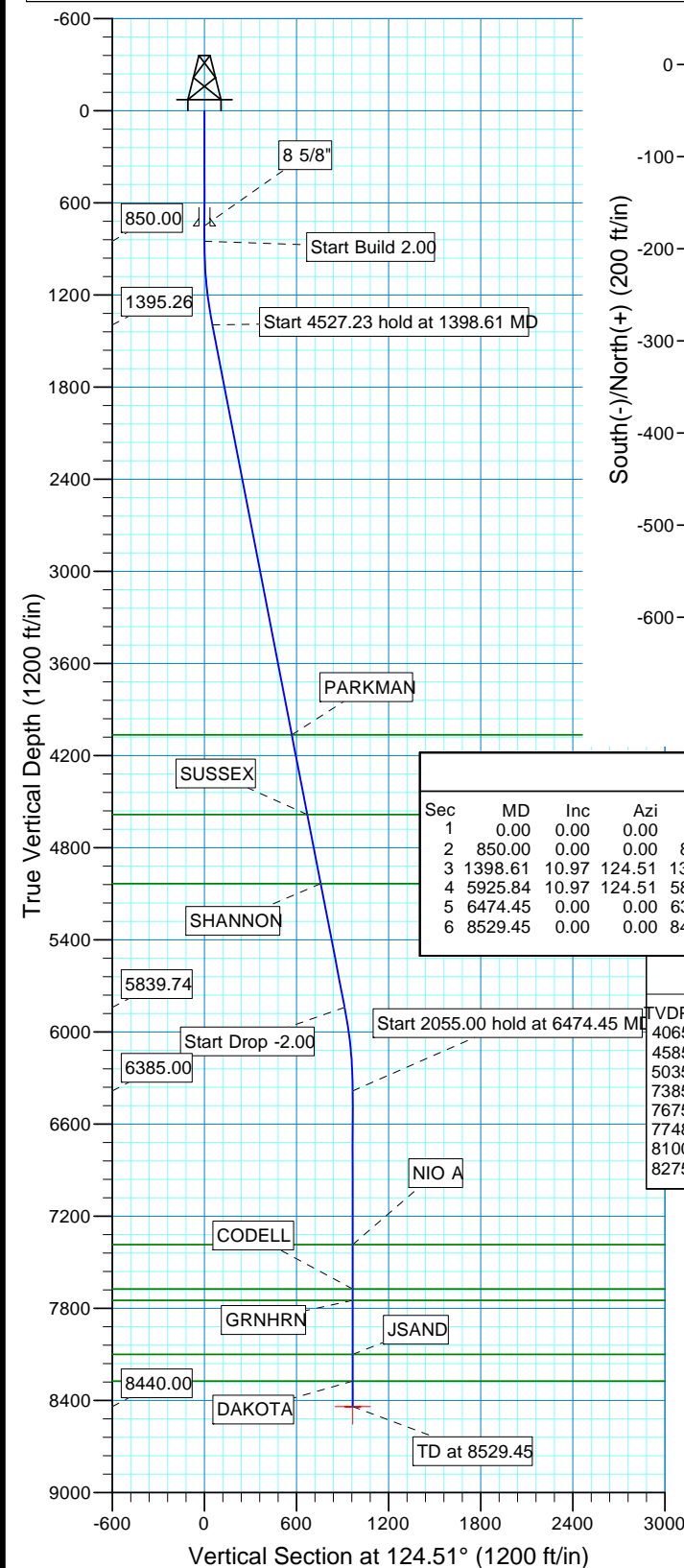
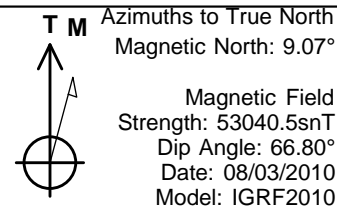


WELL DETAILS: P_WILDFLOWER 14-27

WELL @ 5023.00ft (Original Well Elev) 5008.00		Northing	Easting	Latitude	Longitude
+N/-S	+E/-W	1281562.56	3141524.35	40° 6' 18.623 N	104° 59' 38.580 W
0.00	0.00				

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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	8440.00	-547.49	796.39	1281019.63	3142323.84	40° 6' 13.212 N	104° 59' 28.331 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	
2	850.00	0.00	0.00	850.00	0.00	0.00	0.00	0.00	0.00	
3	1398.61	10.97	124.51	1395.26	-29.67	43.16	2.00	124.51	52.37	
4	5925.84	10.97	124.51	5839.74	-517.82	753.23	0.00	0.00	914.05	
5	6474.45	0.00	0.00	6385.00	-547.49	796.39	2.00	180.00	966.42	
6	8529.45	0.00	0.00	8440.00	-547.49	796.39	0.00	0.00	966.42	PBHL_WILDFLOWER 14-27(510 FSL 2130 FWL)50'TGT RAD

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4065.00	4118.06	PARKMAN
4585.00	4647.74	SUSSEX
5035.00	5106.12	SHANNON
7385.00	7474.45	NIO A
7675.00	7764.45	CODELL
7748.00	7837.45	GRNHRN
8100.00	8189.45	JSAND
8275.00	8364.45	DAKOTA

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 19-27 PAD

P_WILDFLOWER 14-27

P_WILDFLOWER 14-27

Plan: PLAN #1 8-3-10 RHS

Standard Planning Report

03 August, 2010

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well P_WILDFLOWER 14-27
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5023.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5023.00ft (Original Well Elev)
Site:	WELD_WILDFLOWER 19-27 PAD	North Reference:	True
Well:	P_WILDFLOWER 14-27	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_WILDFLOWER 14-27		
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 19-27 PAD, SECTION 27 T2N R68W			
Site Position:		Northing:	1,281,572.77 usft	Latitude: 40° 6' 18.724 N
From:	Lat/Long	Easting:	3,141,524.29 usft	Longitude: 104° 59' 38.580 W
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence: 0.33 °

Well	P_WILDFLOWER 14-27, 1057' FSL 1332' FWL			
Well Position	+N/-S	-10.21 ft	Northing:	1,281,562.56 usft
	+E/-W	0.00 ft	Easting:	3,141,524.35 usft
Position Uncertainty		0.00 ft	Wellhead Elevation:	Ground Level: 5,008.00 ft

Wellbore	P_WILDFLOWER 14-27				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	08/03/2010	9.08	66.80	53,041

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	124.51

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	
1,398.61	10.97	124.51	1,395.26	-29.67	43.16	2.00	2.00	0.00	124.51	
5,925.84	10.97	124.51	5,839.74	-517.82	753.23	0.00	0.00	0.00	0.00	
6,474.45	0.00	0.00	6,385.00	-547.49	796.39	2.00	-2.00	0.00	180.00	
8,529.45	0.00	0.00	8,440.00	-547.49	796.39	0.00	0.00	0.00	0.00	PBHL_WILDFLOWEF

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well P_WILDFLOWER 14-27
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5023.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5023.00ft (Original Well Elev)
Site:	WELD_WILDFLOWER 19-27 PAD	North Reference:	True
Well:	P_WILDFLOWER 14-27	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_WILDFLOWER 14-27		
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
850.00	0.00	0.00	850.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00									
900.00	1.00	124.51	900.00	-0.25	0.36	0.44	2.00	2.00	0.00
1,000.00	3.00	124.51	999.93	-2.22	3.24	3.93	2.00	2.00	0.00
1,100.00	5.00	124.51	1,099.68	-6.18	8.98	10.90	2.00	2.00	0.00
1,200.00	7.00	124.51	1,199.13	-12.10	17.60	21.35	2.00	2.00	0.00
1,300.00	9.00	124.51	1,298.15	-19.98	29.06	35.27	2.00	2.00	0.00
1,398.61	10.97	124.51	1,395.26	-29.67	43.16	52.37	2.00	2.00	0.00
Start 4527.23 hold at 1398.61 MD									
1,400.00	10.97	124.51	1,396.63	-29.82	43.37	52.63	0.00	0.00	0.00
1,500.00	10.97	124.51	1,494.80	-40.60	59.06	71.67	0.00	0.00	0.00
1,600.00	10.97	124.51	1,592.97	-51.38	74.74	90.70	0.00	0.00	0.00
1,700.00	10.97	124.51	1,691.14	-62.17	90.43	109.73	0.00	0.00	0.00
1,800.00	10.97	124.51	1,789.32	-72.95	106.11	128.77	0.00	0.00	0.00
1,900.00	10.97	124.51	1,887.49	-83.73	121.80	147.80	0.00	0.00	0.00
2,000.00	10.97	124.51	1,985.66	-94.51	137.48	166.83	0.00	0.00	0.00
2,100.00	10.97	124.51	2,083.83	-105.30	153.17	185.87	0.00	0.00	0.00
2,200.00	10.97	124.51	2,182.00	-116.08	168.85	204.90	0.00	0.00	0.00
2,300.00	10.97	124.51	2,280.18	-126.86	184.53	223.93	0.00	0.00	0.00
2,400.00	10.97	124.51	2,378.35	-137.64	200.22	242.97	0.00	0.00	0.00
2,500.00	10.97	124.51	2,476.52	-148.43	215.90	262.00	0.00	0.00	0.00
2,600.00	10.97	124.51	2,574.69	-159.21	231.59	281.03	0.00	0.00	0.00
2,700.00	10.97	124.51	2,672.86	-169.99	247.27	300.07	0.00	0.00	0.00
2,800.00	10.97	124.51	2,771.03	-180.77	262.96	319.10	0.00	0.00	0.00
2,900.00	10.97	124.51	2,869.21	-191.56	278.64	338.13	0.00	0.00	0.00
3,000.00	10.97	124.51	2,967.38	-202.34	294.33	357.17	0.00	0.00	0.00
3,100.00	10.97	124.51	3,065.55	-213.12	310.01	376.20	0.00	0.00	0.00
3,200.00	10.97	124.51	3,163.72	-223.90	325.70	395.23	0.00	0.00	0.00
3,300.00	10.97	124.51	3,261.89	-234.69	341.38	414.27	0.00	0.00	0.00
3,400.00	10.97	124.51	3,360.07	-245.47	357.06	433.30	0.00	0.00	0.00
3,500.00	10.97	124.51	3,458.24	-256.25	372.75	452.33	0.00	0.00	0.00
3,600.00	10.97	124.51	3,556.41	-267.03	388.43	471.37	0.00	0.00	0.00
3,700.00	10.97	124.51	3,654.58	-277.82	404.12	490.40	0.00	0.00	0.00
3,800.00	10.97	124.51	3,752.75	-288.60	419.80	509.43	0.00	0.00	0.00
3,900.00	10.97	124.51	3,850.93	-299.38	435.49	528.47	0.00	0.00	0.00
4,000.00	10.97	124.51	3,949.10	-310.16	451.17	547.50	0.00	0.00	0.00
4,100.00	10.97	124.51	4,047.27	-320.95	466.86	566.53	0.00	0.00	0.00
4,118.06	10.97	124.51	4,065.00	-322.89	469.69	569.97	0.00	0.00	0.00
PARKMAN									
4,200.00	10.97	124.51	4,145.44	-331.73	482.54	585.57	0.00	0.00	0.00
4,300.00	10.97	124.51	4,243.61	-342.51	498.22	604.60	0.00	0.00	0.00
4,400.00	10.97	124.51	4,341.79	-353.29	513.91	623.63	0.00	0.00	0.00
4,500.00	10.97	124.51	4,439.96	-364.08	529.59	642.67	0.00	0.00	0.00

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well P_WILDFLOWER 14-27
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5023.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5023.00ft (Original Well Elev)
Site:	WELD_WILDFLOWER 19-27 PAD	North Reference:	True
Well:	P_WILDFLOWER 14-27	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_WILDFLOWER 14-27		
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)
4,600.00	10.97	124.51	4,538.13	-374.86	545.28	661.70	0.00	0.00	0.00
4,647.74	10.97	124.51	4,585.00	-380.01	552.77	670.79	0.00	0.00	0.00
SUSSEX									
4,700.00	10.97	124.51	4,636.30	-385.64	560.96	680.73	0.00	0.00	0.00
4,800.00	10.97	124.51	4,734.47	-396.42	576.65	699.77	0.00	0.00	0.00
4,900.00	10.97	124.51	4,832.65	-407.21	592.33	718.80	0.00	0.00	0.00
5,000.00	10.97	124.51	4,930.82	-417.99	608.02	737.83	0.00	0.00	0.00
5,100.00	10.97	124.51	5,028.99	-428.77	623.70	756.87	0.00	0.00	0.00
5,106.12	10.97	124.51	5,035.00	-429.43	624.66	758.03	0.00	0.00	0.00
SHANNON									
5,200.00	10.97	124.51	5,127.16	-439.55	639.39	775.90	0.00	0.00	0.00
5,300.00	10.97	124.51	5,225.33	-450.34	655.07	794.93	0.00	0.00	0.00
5,400.00	10.97	124.51	5,323.51	-461.12	670.75	813.97	0.00	0.00	0.00
5,500.00	10.97	124.51	5,421.68	-471.90	686.44	833.00	0.00	0.00	0.00
5,600.00	10.97	124.51	5,519.85	-482.68	702.12	852.03	0.00	0.00	0.00
5,700.00	10.97	124.51	5,618.02	-493.47	717.81	871.07	0.00	0.00	0.00
5,800.00	10.97	124.51	5,716.19	-504.25	733.49	890.10	0.00	0.00	0.00
5,900.00	10.97	124.51	5,814.37	-515.03	749.18	909.13	0.00	0.00	0.00
5,925.84	10.97	124.51	5,839.74	-517.82	753.23	914.05	0.00	0.00	0.00
Start Drop -2.00									
6,000.00	9.49	124.51	5,912.71	-525.28	764.08	927.22	2.00	-2.00	0.00
6,100.00	7.49	124.51	6,011.61	-533.64	776.25	941.98	2.00	-2.00	0.00
6,200.00	5.49	124.51	6,110.97	-540.04	785.56	953.29	2.00	-2.00	0.00
6,300.00	3.49	124.51	6,210.65	-544.48	792.01	961.11	2.00	-2.00	0.00
6,400.00	1.49	124.51	6,310.55	-546.94	795.59	965.45	2.00	-2.00	0.00
6,474.45	0.00	0.00	6,385.00	-547.49	796.39	966.42	2.00	-2.00	0.00
Start 2055.00 hold at 6474.45 MD									
6,500.00	0.00	0.00	6,410.55	-547.49	796.39	966.42	0.00	0.00	0.00
6,600.00	0.00	0.00	6,510.55	-547.49	796.39	966.42	0.00	0.00	0.00
6,700.00	0.00	0.00	6,610.55	-547.49	796.39	966.42	0.00	0.00	0.00
6,800.00	0.00	0.00	6,710.55	-547.49	796.39	966.42	0.00	0.00	0.00
6,900.00	0.00	0.00	6,810.55	-547.49	796.39	966.42	0.00	0.00	0.00
7,000.00	0.00	0.00	6,910.55	-547.49	796.39	966.42	0.00	0.00	0.00
7,100.00	0.00	0.00	7,010.55	-547.49	796.39	966.42	0.00	0.00	0.00
7,200.00	0.00	0.00	7,110.55	-547.49	796.39	966.42	0.00	0.00	0.00
7,300.00	0.00	0.00	7,210.55	-547.49	796.39	966.42	0.00	0.00	0.00
7,400.00	0.00	0.00	7,310.55	-547.49	796.39	966.42	0.00	0.00	0.00
7,474.45	0.00	0.00	7,385.00	-547.49	796.39	966.42	0.00	0.00	0.00
NIO A									
7,500.00	0.00	0.00	7,410.55	-547.49	796.39	966.42	0.00	0.00	0.00
7,600.00	0.00	0.00	7,510.55	-547.49	796.39	966.42	0.00	0.00	0.00
7,700.00	0.00	0.00	7,610.55	-547.49	796.39	966.42	0.00	0.00	0.00
7,764.45	0.00	0.00	7,675.00	-547.49	796.39	966.42	0.00	0.00	0.00
CODELL									
7,800.00	0.00	0.00	7,710.55	-547.49	796.39	966.42	0.00	0.00	0.00
7,837.45	0.00	0.00	7,748.00	-547.49	796.39	966.42	0.00	0.00	0.00
GRNHRN									
7,900.00	0.00	0.00	7,810.55	-547.49	796.39	966.42	0.00	0.00	0.00
8,000.00	0.00	0.00	7,910.55	-547.49	796.39	966.42	0.00	0.00	0.00
8,100.00	0.00	0.00	8,010.55	-547.49	796.39	966.42	0.00	0.00	0.00
8,189.45	0.00	0.00	8,100.00	-547.49	796.39	966.42	0.00	0.00	0.00
JSAND									
8,200.00	0.00	0.00	8,110.55	-547.49	796.39	966.42	0.00	0.00	0.00

Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Well P_WILDFLOWER 14-27
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 5023.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 5023.00ft (Original Well Elev)
Site:	WELD_WILDFLOWER 19-27 PAD	North Reference:	True
Well:	P_WILDFLOWER 14-27	Survey Calculation Method:	Minimum Curvature
Wellbore:	P_WILDFLOWER 14-27		
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)
8,300.00	0.00	0.00	8,210.55	-547.49	796.39	966.42	0.00	0.00	0.00
8,364.45	0.00	0.00	8,275.00	-547.49	796.39	966.42	0.00	0.00	0.00
DAKOTA									
8,400.00	0.00	0.00	8,310.55	-547.49	796.39	966.42	0.00	0.00	0.00
8,500.00	0.00	0.00	8,410.55	-547.49	796.39	966.42	0.00	0.00	0.00
8,529.45	0.00	0.00	8,440.00	-547.49	796.39	966.42	0.00	0.00	0.00
PBHL_WILDFLOWER 14-27(510 FSL 2130 FWL)50'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 1	0.00	0.00	8,440.00	-547.49	796.39	1,281,019.63	3,142,323.84	40° 6' 13.212 N	104° 59' 28.331 W
- plan hits target center									
- Circle (radius 50.00)									

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

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,118.06	4,065.00	PARKMAN				
4,647.74	4,585.00	SUSSEX				
5,106.12	5,035.00	SHANNON				
7,474.45	7,385.00	NIO A				
7,764.45	7,675.00	CODELL				
7,837.45	7,748.00	GRNHRN				
8,189.45	8,100.00	JSAND				
8,364.45	8,275.00	DAKOTA				

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
850.00	850.00	0.00	0.00	Start Build 2.00
1,398.61	1,395.26	-29.67	43.16	Start 4527.23 hold at 1398.61 MD
5,925.84	5,839.74	-517.82	753.23	Start Drop -2.00
6,474.45	6,385.00	-547.49	796.39	Start 2055.00 hold at 6474.45 MD
8,529.45	8,440.00	-547.49	796.39	TD at 8529.45