

US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

SEKICH 23-17

SEKICH 35-17

SEKICH 35-17

Plan: SEKICH 35-17 (wp01)

Standard Planning Report

19 November, 2010



Weatherford®

Project: COLORADO NORTHERN ZONE - 83
 Site: SEKICH 23-17
 Well: SEKICH 35-17
 Wellbore: SEKICH 35-17
 Section:
 SHL:
 Design: SEKICH 35-17 (wp01)
 Latitude: 40.219277
 Longitude: -104.912769
 GL: 4865.00
 KB: WELL @ 4865.00ft (Original Well Elev)

Azimuths to True North
 Magnetic North: 9.00°

Magnetic Field
 Strength: 53080.3snT
 Dip Angle: 66.90°
 Date: 11/18/2010
 Model: IGRF2010



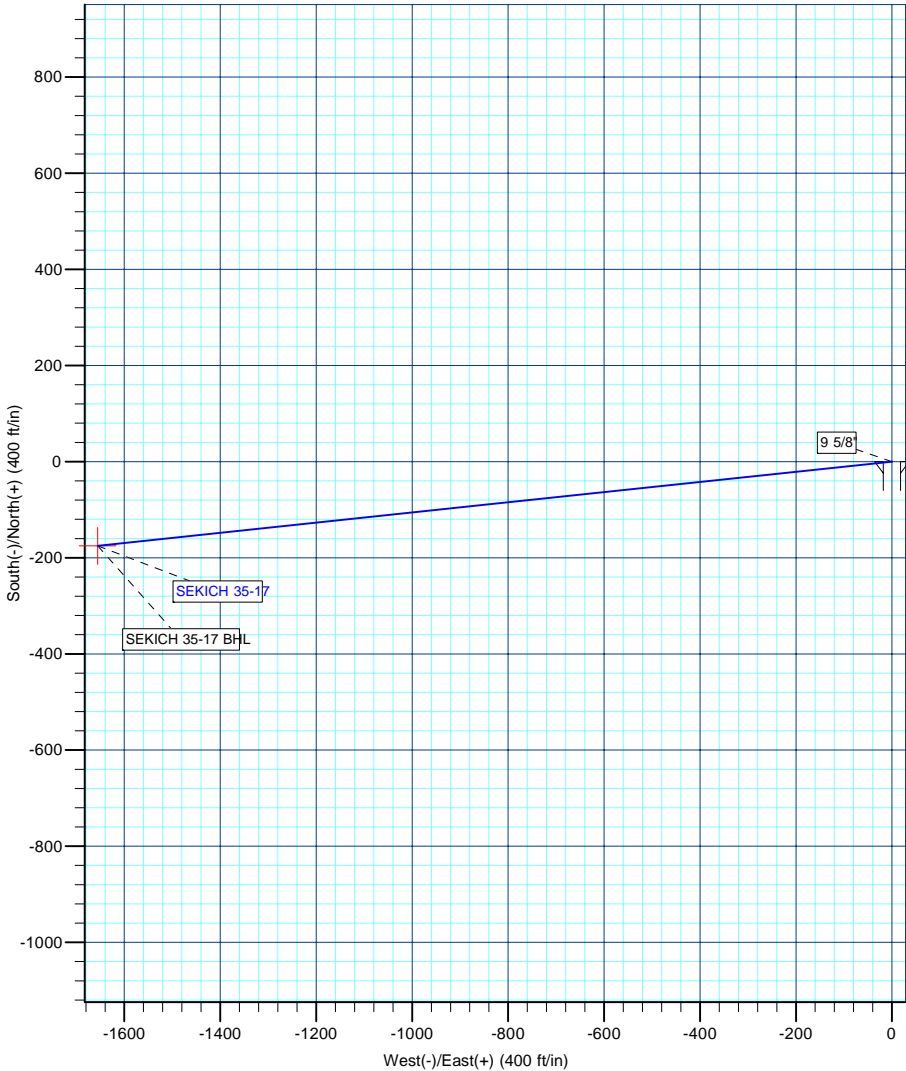
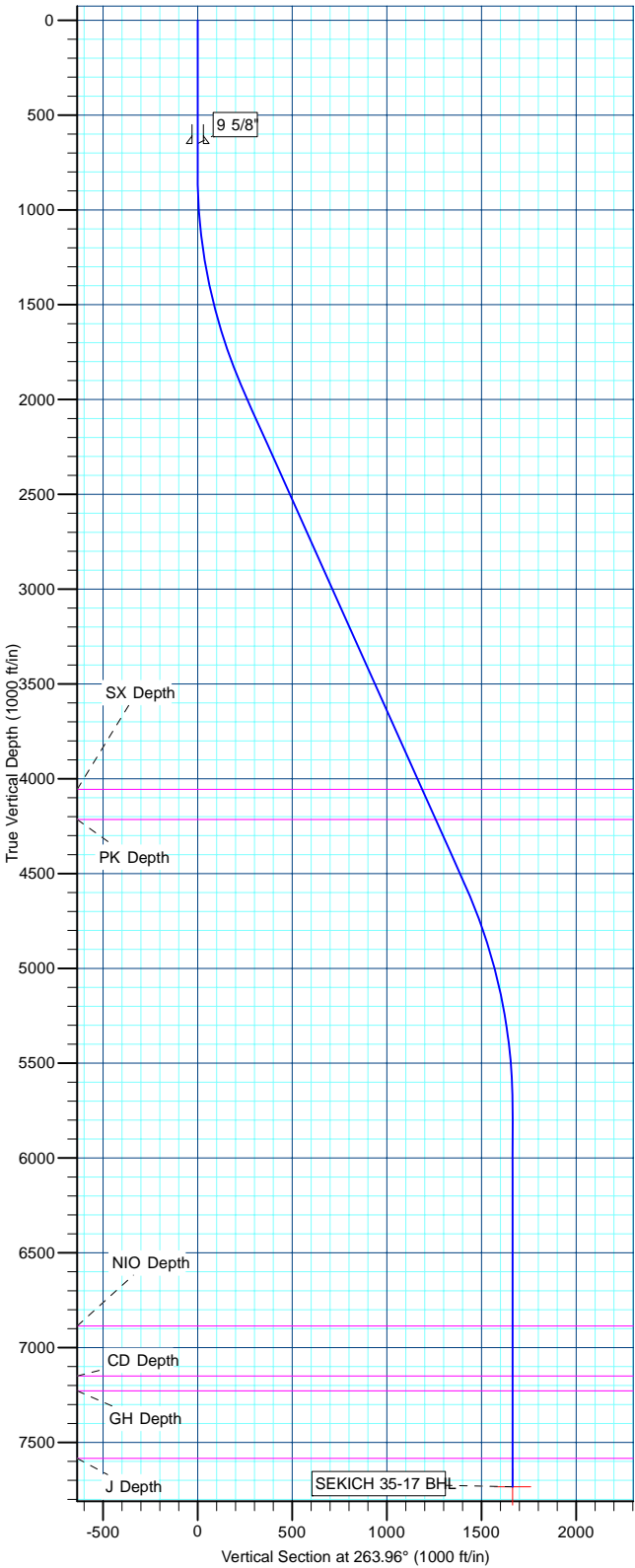
FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4056.00	4292.07	SX Depth
4215.00	4466.37	PK Depth
6886.00	7206.21	NIO Depth
7150.00	7470.21	CD Depth
7228.00	7548.21	GH Depth
7584.00	7904.21	J Depth

WELL DETAILS: SEKICH 35-17						
+N/-S	+E/-W	Northing	Ground Level: Easting	4865.00 Latitude	Longitude	Slot
0.00	0.00	1323267.73	3163984.70	40.219277	-104.912769	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)						
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
SEKICH 35-17 BHL	7734.00	-175.16	-1655.70	40.218796	-104.918698	Point

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	800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	
3	2009.58	24.19	263.96	1973.96	-26.47	-250.19	2.00	263.96	251.58	
4	4844.64	24.19	263.96	4560.04	-148.69	-1405.51	0.00	0.00	1413.36	
5	6054.21	0.00	0.00	5734.00	-175.16	-1655.70	2.00	180.00	1664.94	
6	8054.21	0.00	0.00	7734.00	-175.16	-1655.70	0.00	0.00	1664.94	SEKICH 35-17 BHL

CASING DETAILS			
TVD	MD	Name	Size
650.00	650.00	9 5/8"	9-5/8



Database:	edm5000p	Local Co-ordinate Reference:	Well SEKICH 35-17
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 4865.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4865.00ft (Original Well Elev)
Site:	SEKICH 23-17	North Reference:	True
Well:	SEKICH 35-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	SEKICH 35-17		
Design:	SEKICH 35-17 (wp01)		

Project	COLORADO NORTHERN ZONE - 83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		SEKICH 23-17				
Site Position:		Northing:	1,323,280.39 ft	Latitude:	40.219312	
From:	Lat/Long	Easting:	3,163,969.26 ft	Longitude:	-104.912824	
Position Uncertainty:		0.00 ft	Slot Radius:	0 "	Grid Convergence:	0.38 °

Well	SEKICH 35-17					
Well Position	+N-S	-12.76 ft	Northing:	1,323,267.73 ft	Latitude:	40.219277
	+E-W	15.36 ft	Easting:	3,163,984.70 ft	Longitude:	-104.912769
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	4,865.00 ft

Wellbore	SEKICH 35-17				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/18/2010	9.00	66.90	53,080

Design	SEKICH 35-17 (wp01)			
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	263.96

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	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,009.58	24.19	263.96	1,973.96	-26.47	-250.19	2.00	2.00	0.00	263.96	
4,844.64	24.19	263.96	4,560.04	-148.69	-1,405.51	0.00	0.00	0.00	0.00	
6,054.21	0.00	0.00	5,734.00	-175.16	-1,655.70	2.00	-2.00	0.00	180.00	
8,054.21	0.00	0.00	7,734.00	-175.16	-1,655.70	0.00	0.00	0.00	0.00	SEKICH 35-17 BHL

Database:	edm5000p	Local Co-ordinate Reference:	Well SEKICH 35-17
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 4865.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4865.00ft (Original Well Elev)
Site:	SEKICH 23-17	North Reference:	True
Well:	SEKICH 35-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	SEKICH 35-17		
Design:	SEKICH 35-17 (wp01)		

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
650.00	0.00	0.00	650.00	0.00	0.00	0.00	0.00	0.00	0.00
9 5/8"									
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	2.00	263.96	899.98	-0.18	-1.74	1.75	2.00	2.00	0.00
1,000.00	4.00	263.96	999.84	-0.73	-6.94	6.98	2.00	2.00	0.00
1,100.00	6.00	263.96	1,099.45	-1.65	-15.61	15.69	2.00	2.00	0.00
1,200.00	8.00	263.96	1,198.70	-2.93	-27.73	27.88	2.00	2.00	0.00
1,300.00	10.00	263.96	1,297.47	-4.58	-43.28	43.52	2.00	2.00	0.00
1,400.00	12.00	263.96	1,395.62	-6.59	-62.26	62.60	2.00	2.00	0.00
1,500.00	14.00	263.96	1,493.06	-8.95	-84.62	85.10	2.00	2.00	0.00
1,600.00	16.00	263.96	1,589.64	-11.68	-110.36	110.98	2.00	2.00	0.00
1,700.00	18.00	263.96	1,685.27	-14.75	-139.43	140.21	2.00	2.00	0.00
1,800.00	20.00	263.96	1,779.82	-18.18	-171.81	172.77	2.00	2.00	0.00
1,900.00	22.00	263.96	1,873.17	-21.95	-207.45	208.60	2.00	2.00	0.00
2,000.00	24.00	263.96	1,965.21	-26.06	-246.30	247.67	2.00	2.00	0.00
2,009.58	24.19	263.96	1,973.96	-26.47	-250.19	251.58	2.00	2.00	0.00
2,100.00	24.19	263.96	2,056.44	-30.37	-287.04	288.64	0.00	0.00	0.00
2,200.00	24.19	263.96	2,147.66	-34.68	-327.79	329.62	0.00	0.00	0.00
2,300.00	24.19	263.96	2,238.88	-38.99	-368.54	370.60	0.00	0.00	0.00
2,400.00	24.19	263.96	2,330.09	-43.30	-409.29	411.57	0.00	0.00	0.00
2,500.00	24.19	263.96	2,421.31	-47.61	-450.04	452.55	0.00	0.00	0.00
2,600.00	24.19	263.96	2,512.53	-51.92	-490.79	493.53	0.00	0.00	0.00
2,700.00	24.19	263.96	2,603.75	-56.23	-531.54	534.51	0.00	0.00	0.00
2,800.00	24.19	263.96	2,694.97	-60.54	-572.30	575.49	0.00	0.00	0.00
2,900.00	24.19	263.96	2,786.18	-64.85	-613.05	616.47	0.00	0.00	0.00
3,000.00	24.19	263.96	2,877.40	-69.17	-653.80	657.45	0.00	0.00	0.00
3,100.00	24.19	263.96	2,968.62	-73.48	-694.55	698.43	0.00	0.00	0.00
3,200.00	24.19	263.96	3,059.84	-77.79	-735.30	739.41	0.00	0.00	0.00
3,300.00	24.19	263.96	3,151.06	-82.10	-776.05	780.38	0.00	0.00	0.00
3,400.00	24.19	263.96	3,242.27	-86.41	-816.80	821.36	0.00	0.00	0.00
3,500.00	24.19	263.96	3,333.49	-90.72	-857.56	862.34	0.00	0.00	0.00
3,600.00	24.19	263.96	3,424.71	-95.03	-898.31	903.32	0.00	0.00	0.00
3,700.00	24.19	263.96	3,515.93	-99.34	-939.06	944.30	0.00	0.00	0.00
3,800.00	24.19	263.96	3,607.15	-103.65	-979.81	985.28	0.00	0.00	0.00
3,900.00	24.19	263.96	3,698.36	-107.97	-1,020.56	1,026.26	0.00	0.00	0.00
4,000.00	24.19	263.96	3,789.58	-112.28	-1,061.31	1,067.24	0.00	0.00	0.00
4,100.00	24.19	263.96	3,880.80	-116.59	-1,102.06	1,108.21	0.00	0.00	0.00
4,200.00	24.19	263.96	3,972.02	-120.90	-1,142.82	1,149.19	0.00	0.00	0.00
4,292.07	24.19	263.96	4,056.00	-124.87	-1,180.33	1,186.92	0.00	0.00	0.00
SX Depth									
4,300.00	24.19	263.96	4,063.24	-125.21	-1,183.57	1,190.17	0.00	0.00	0.00
4,400.00	24.19	263.96	4,154.46	-129.52	-1,224.32	1,231.15	0.00	0.00	0.00
4,466.37	24.19	263.96	4,215.00	-132.38	-1,251.37	1,258.35	0.00	0.00	0.00
PK Depth									
4,500.00	24.19	263.96	4,245.67	-133.83	-1,265.07	1,272.13	0.00	0.00	0.00

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Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 4865.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4865.00ft (Original Well Elev)
Site:	SEKICH 23-17	North Reference:	True
Well:	SEKICH 35-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	SEKICH 35-17		
Design:	SEKICH 35-17 (wp01)		

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	24.19	263.96	4,336.89	-138.14	-1,305.82	1,313.11	0.00	0.00	0.00	
4,700.00	24.19	263.96	4,428.11	-142.45	-1,346.57	1,354.09	0.00	0.00	0.00	
4,800.00	24.19	263.96	4,519.33	-146.77	-1,387.32	1,395.07	0.00	0.00	0.00	
4,844.64	24.19	263.96	4,560.04	-148.69	-1,405.51	1,413.36	0.00	0.00	0.00	
4,900.00	23.08	263.96	4,610.76	-151.02	-1,427.59	1,435.56	2.00	-2.00	0.00	
5,000.00	21.08	263.96	4,703.42	-154.98	-1,464.98	1,473.15	2.00	-2.00	0.00	
5,100.00	19.08	263.96	4,797.33	-158.59	-1,499.12	1,507.49	2.00	-2.00	0.00	
5,200.00	17.08	263.96	4,892.39	-161.86	-1,529.99	1,538.53	2.00	-2.00	0.00	
5,300.00	15.08	263.96	4,988.47	-164.77	-1,557.54	1,566.23	2.00	-2.00	0.00	
5,400.00	13.08	263.96	5,085.46	-167.33	-1,581.74	1,590.57	2.00	-2.00	0.00	
5,500.00	11.08	263.96	5,183.24	-169.53	-1,602.56	1,611.50	2.00	-2.00	0.00	
5,600.00	9.08	263.96	5,281.69	-171.38	-1,619.97	1,629.01	2.00	-2.00	0.00	
5,700.00	7.08	263.96	5,380.69	-172.86	-1,633.95	1,643.07	2.00	-2.00	0.00	
5,800.00	5.08	263.96	5,480.12	-173.97	-1,644.49	1,653.67	2.00	-2.00	0.00	
5,900.00	3.08	263.96	5,579.86	-174.72	-1,651.57	1,660.79	2.00	-2.00	0.00	
6,000.00	1.08	263.96	5,679.79	-175.10	-1,655.19	1,664.43	2.00	-2.00	0.00	
6,054.21	0.00	0.00	5,734.00	-175.16	-1,655.70	1,664.94	2.00	-2.00	0.00	
6,100.00	0.00	0.00	5,779.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
6,200.00	0.00	0.00	5,879.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
6,300.00	0.00	0.00	5,979.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
6,400.00	0.00	0.00	6,079.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
6,500.00	0.00	0.00	6,179.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
6,600.00	0.00	0.00	6,279.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
6,700.00	0.00	0.00	6,379.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
6,800.00	0.00	0.00	6,479.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
6,900.00	0.00	0.00	6,579.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
7,000.00	0.00	0.00	6,679.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
7,100.00	0.00	0.00	6,779.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
7,200.00	0.00	0.00	6,879.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
7,206.21	0.00	0.00	6,886.00	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
NIO Depth										
7,300.00	0.00	0.00	6,979.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
7,400.00	0.00	0.00	7,079.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
7,470.21	0.00	0.00	7,150.00	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
CD Depth										
7,500.00	0.00	0.00	7,179.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
7,548.21	0.00	0.00	7,228.00	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
GH Depth										
7,600.00	0.00	0.00	7,279.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
7,700.00	0.00	0.00	7,379.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
7,800.00	0.00	0.00	7,479.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
7,900.00	0.00	0.00	7,579.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
7,904.21	0.00	0.00	7,584.00	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
J Depth										
8,000.00	0.00	0.00	7,679.79	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
8,054.21	0.00	0.00	7,734.00	-175.16	-1,655.70	1,664.94	0.00	0.00	0.00	
SEKICH 35-17 BHL										

Database:	edm5000p	Local Co-ordinate Reference:	Well SEKICH 35-17
Company:	US ROCKIES REGION PLANNING	TVD Reference:	WELL @ 4865.00ft (Original Well Elev)
Project:	COLORADO NORTHERN ZONE - 83	MD Reference:	WELL @ 4865.00ft (Original Well Elev)
Site:	SEKICH 23-17	North Reference:	True
Well:	SEKICH 35-17	Survey Calculation Method:	Minimum Curvature
Wellbore:	SEKICH 35-17		
Design:	SEKICH 35-17 (wp01)		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
SEKICH 35-17 BHL	0.00	0.00	7,734.00	-175.16	-1,655.70	1,323,081.61	3,162,330.20	40.218796	-104.918698
- plan hits target center									
- Point									

Casing Points				
Measured Depth	Vertical Depth		Casing Diameter	Hole Diameter
(ft)	(ft)	Name	(")	(")
650.00	650.00	9 5/8"	9-5/8	12-1/4

Formations						
Measured Depth	Vertical Depth				Dip	Dip Direction
(ft)	(ft)	Name	Lithology		(°)	(°)
4,292.07	4,056.00	SX Depth				
4,466.37	4,215.00	PK Depth				
7,206.21	6,886.00	NIO Depth				
7,470.21	7,150.00	CD Depth				
7,548.21	7,228.00	GH Depth				
7,904.21	7,584.00	J Depth				

US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

SEKICH 23-17

SEKICH 35-17

SEKICH 35-17

SEKICH 35-17 (wp01)

Anticollision Summary Report

22 November, 2010



Weatherford®

APC

Anticollision Summary Report



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well SEKICH 35-17
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4865.00ft (Original Well Elev)
Reference Site:	SEKICH 23-17	MD Reference:	WELL @ 4865.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SEKICH 35-17	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	SEKICH 35-17	Database:	edm5000p
Reference Design:	SEKICH 35-17 (wp01)	Offset TVD Reference:	Offset Datum

Reference	SEKICH 35-17 (wp01)		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.00ft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.00 ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date 11/19/2010				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	8,054.21	SEKICH 35-17 (wp01) (SEKICH 35-17)	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						
SEKICH 23-17						
HSR SEKICH #15-17 - HSR SEKICH #15-17 - HSR SEK	0.00	0.00	534.97			
HSR SEKICH #15-17 - HSR SEKICH #15-17 - HSR SEK	2,500.00	2,411.40	997.32	985.04	81.194	SF
HSR-SEKICH #14-17 - HSR-SEKICH #14-17 - HSR-SEK	3,843.30	3,619.34	857.19	-558.68	0.605	Level 1, CC
HSR-SEKICH #14-17 - HSR-SEKICH #14-17 - HSR-SEK	5,100.00	4,767.48	998.38	-1,415.35	0.414	Level 1, ES, SF
SEKICH 19-17 - SEKICH 19-17 - SEKICH 19-17 (wp02)	800.00	800.00	29.95	26.58	8.884	CC, ES
SEKICH 19-17 - SEKICH 19-17 - SEKICH 19-17 (wp02)	1,000.00	997.82	32.30	28.09	7.670	SF
SEKICH 20-17 - SEKICH 20-17 - SEKICH 20-17 (wp01)	800.00	800.00	10.21	6.84	3.028	CC, ES, SF
SEKICH 23-17 - SEKICH 23-17 - SEKICH 23-17 (wp02)	800.00	800.00	19.96	16.59	5.921	CC
SEKICH 23-17 - SEKICH 23-17 - SEKICH 23-17 (wp02)	900.00	899.41	20.21	16.41	5.314	ES, SF
SEKICH 36-17 - SEKICH 36-17 - SEKICH 36-17 (wp01)	800.00	800.00	9.97	6.60	2.958	CC
SEKICH 36-17 - SEKICH 36-17 - SEKICH 36-17 (wp01)	900.00	899.72	10.14	6.35	2.674	ES
SEKICH 36-17 - SEKICH 36-17 - SEKICH 36-17 (wp01)	1,100.00	1,099.14	11.59	6.96	2.504	SF
SEKICH 37-17 - SEKICH 37-17 - SEKICH 37-17 (wp01)	800.00	800.00	19.96	16.59	5.921	CC, ES, SF
SEKICH FARMS II UNIT #1 - SEKICH FARMS II UNIT #						Out of range

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well SEKICH 35-17
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4865.00ft (Original Well Elev)
Reference Site:	SEKICH 23-17	MD Reference:	WELL @ 4865.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SEKICH 35-17	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	SEKICH 35-17	Database:	edm5000p
Reference Design:	SEKICH 35-17 (wp01)	Offset TVD Reference:	Offset Datum

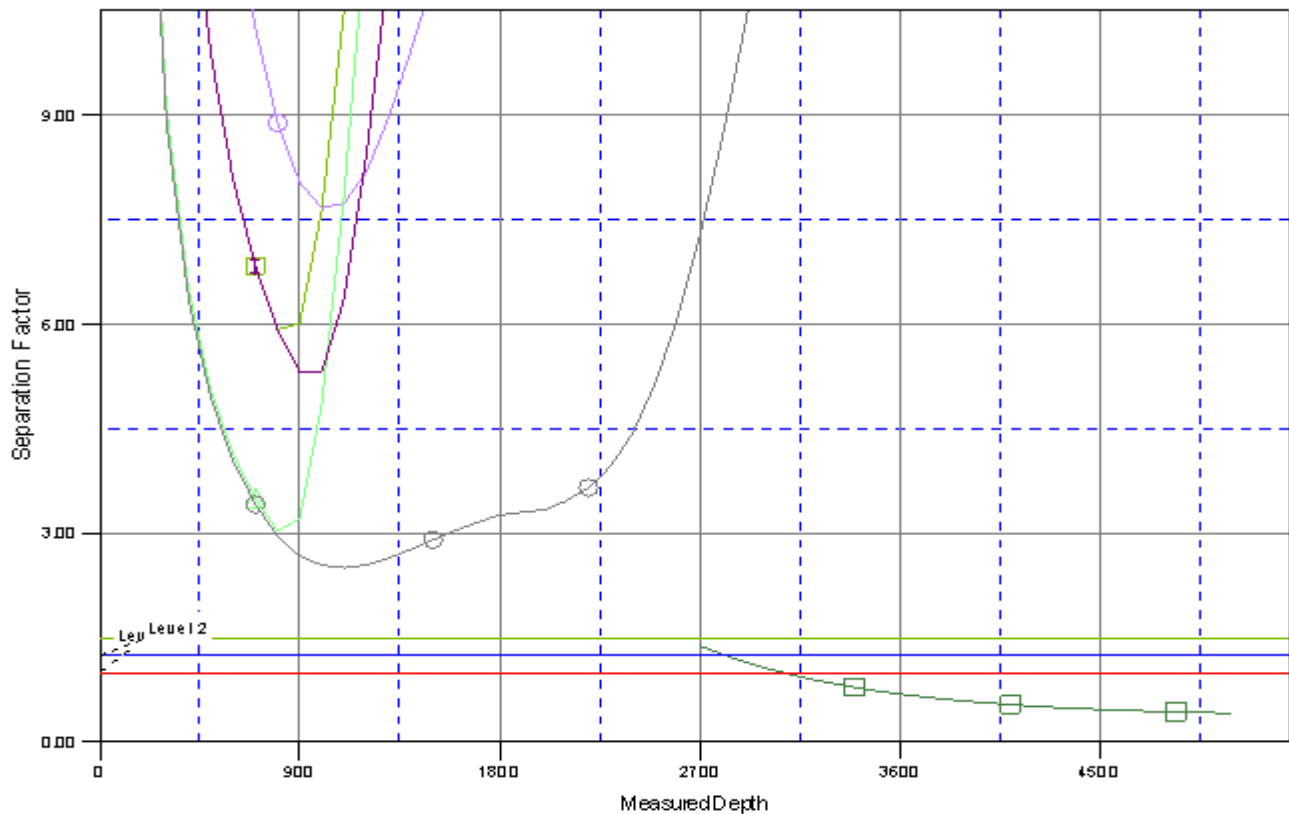
Reference Depths are relative to WELL @ 4865.00ft (Original Well Elev) Coordinates are relative to: SEKICH 35-17
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000 Grid Convergence at Surface is: 0.38°



Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well SEKICH 35-17
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	WELL @ 4865.00ft (Original Well Elev)
Reference Site:	SEKICH 23-17	MD Reference:	WELL @ 4865.00ft (Original Well Elev)
Site Error:	0.00 ft	North Reference:	True
Reference Well:	SEKICH 35-17	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	SEKICH 35-17	Database:	edm5000p
Reference Design:	SEKICH 35-17 (wp01)	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4865.00ft (Original Well Elev) Coordinates are relative to: SEKICH 35-17
Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1983, Colorado Northern Zone
Central Meridian is -105.500000 Grid Convergence at Surface is: 0.38°

Separation Factor Plot



LEGEND

CH37-17 (wp01)\V0	SEKICH20-17, SEKICH 20-17, SEKICH 20-17 (wp01)\V0	SEKICH36-17, SEKICH 36-17, SEKICH 36-17 (wp01)\V0
CH19-17 (wp02)\V0	SEKICH23-17, SEKICH 23-17, SEKICH 23-17 (wp02)\V0	
H15-17, HSR SEKICH#15-17 (wp01)\V0	HSR-SEKICH#14-17, HSR-SEKICH#14-17, HSR-SEKICH#14-17 \V0	