



Company: Extraction Oil & Gas
Field: Weld Co., Co
Location: Sec.31-T05N-R67W
Well: Wind 11
Borehole: Original Hole
Rig: Xtreme 7
Plan: Rev 1

PATHFINDER
A Schlumberger Company

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	Begin Nudge
3	1427.52	16.55	185.40	1416.06	-118.16	-11.18	2.00	185.40	41.95	Hold Tangent
4	5480.35	16.55	185.40	5300.98	-1267.52	-119.88	0.00	0.00	449.95	Begin Drop
5	6307.87	0.00	0.00	6117.04	-1385.68	-131.06	2.00	180.00	491.89	Vertical Point
6	6407.87	0.00	0.00	6217.04	-1385.68	-131.06	0.00	0.00	491.89	KOP, Build 10°/100' DLS
7	7307.87	90.00	270.00	6790.00	-1385.68	-704.02	10.00	270.00	1044.56	LP, Hold to TD
8	11671.55	90.00	270.00	6790.00	-1385.68	-5067.70	0.00	0.00	5253.73	PBHL/TD

WELL DETAILS: Wind 11

GL 4929.00 KB @ 4945.00usft (Xtreme 7 - 16')
+N/-S +E/-W Northing Easting Latitude Longitude
0.00 0.00 1372052.86 3154774.46 40° 21' 12.081 N 104° 56' 40.762 W

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
KOP Wind 11	6117.04	-1385.68	-131.06	Point
LP Wind 11	6790.00	-1385.68	-704.02	Point
PBHL Wind 11	6790.00	-1385.68	-5067.70	Point

FORMATION TOP DETAILS

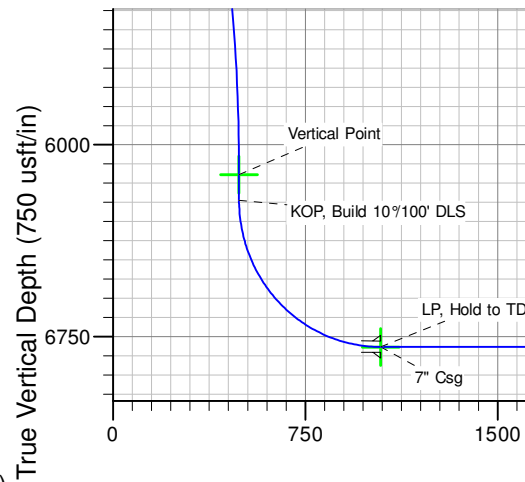
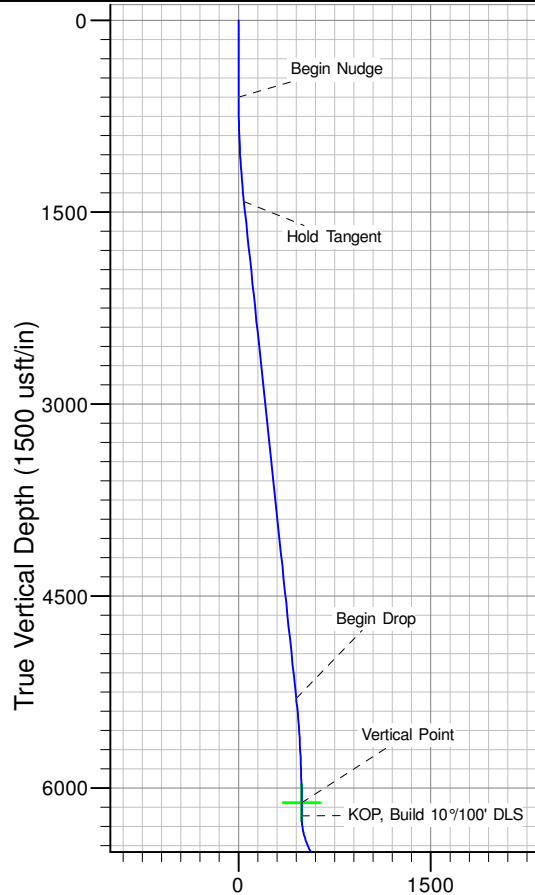
TVDPath	MDPath	Formation
3460.00	3559.80	Parkman
4275.00	4410.03	Sussex
5680.00	5869.12	Shannon
6790.00	7307.87	Niobrara

CASING DETAILS

TVD	MD	Name	Size
6790.00	7307.87	7" Csg	7



Azimuths to Grid North
True North: -0.36°
Magnetic North: 8.19°
Magnetic Field
Strength: 52766.7nT
Dip Angle: 66.88°
Date: 6/30/2014
Model: IGRF2010

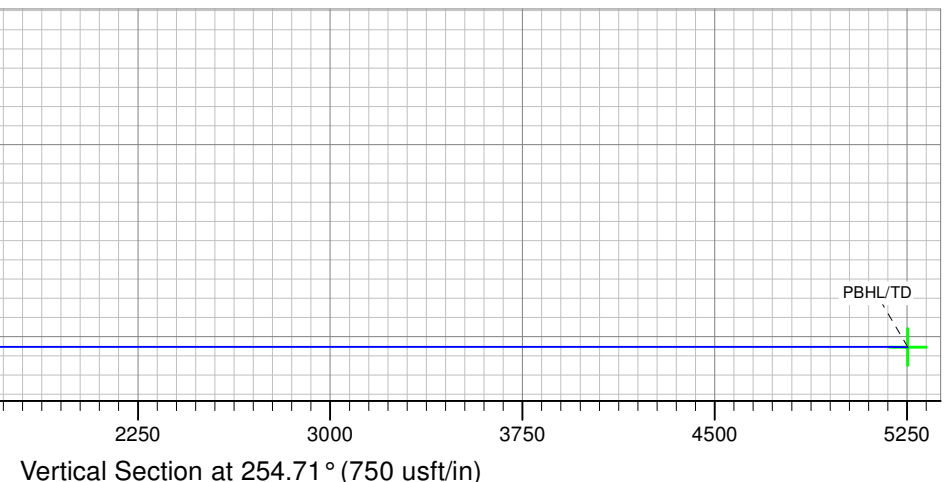
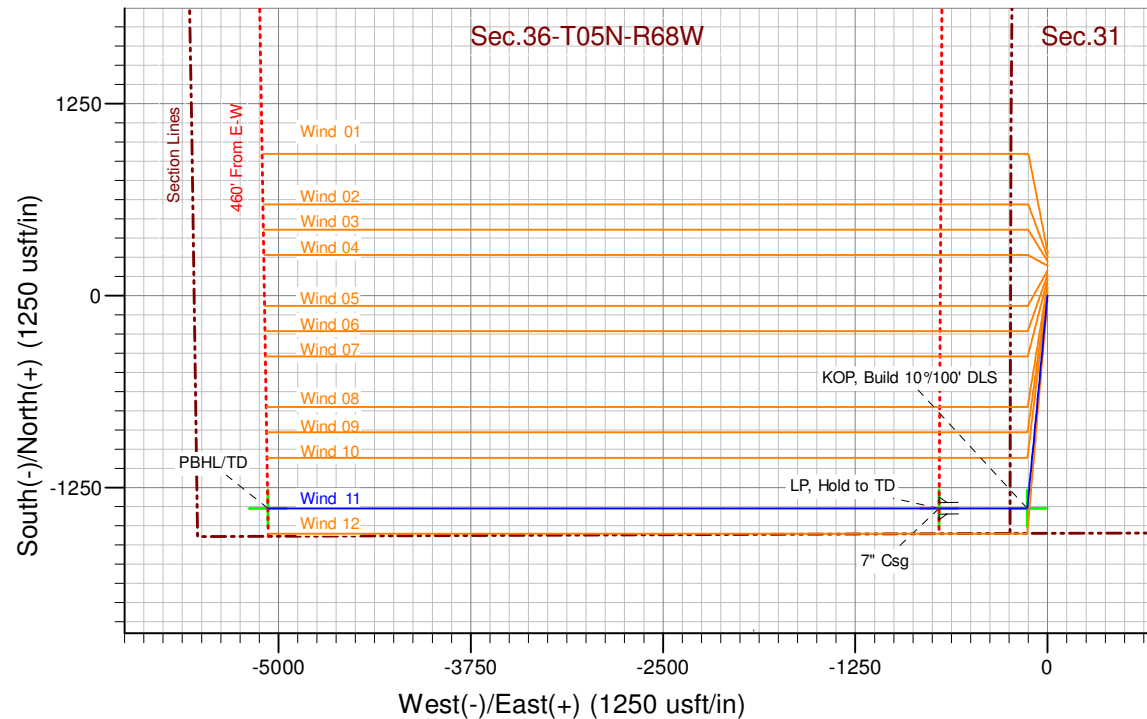


SHL: 1548' FSL & 240' FWL
(Sec.31-T05N-R67W)
PBHL: 182' FSL & 460' FWL
(Sec.36-T05N-R68W)

Notice:
Section Lines and Hardlines
are estimates only and are
subject to customer approval

Wind 11 Rev 1

Created By: J Rieke Date: 16:12, August 14 2014





Extraction Oil & Gas

**Weld Co., Co
Sec.31-T05N-R67W
Wind 11**

Original Hole

Plan: Rev 1

Standard Planning Report

14 August, 2014



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Wind 11
Company:	Extraction Oil & Gas	TVD Reference:	KB @ 4945.00usft (Xtreme 7 - 16')
Project:	Weld Co., Co	MD Reference:	KB @ 4945.00usft (Xtreme 7 - 16')
Site:	Sec.31-T05N-R67W	North Reference:	Grid
Well:	Wind 11	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Rev 1		

Project	Weld Co., Co		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	Sec.31-T05N-R67W			
Site Position:		Northing:	1,372,289.16 usft	Latitude: 40° 21' 14.418 N
From:	Lat/Long	Easting:	3,154,752.91 usft	Longitude: 104° 56' 41.021 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.36 °

Well	Wind 11			
Well Position	+N/-S	-236.30 usft	Northing:	1,372,052.86 usft
	+E/-W	21.55 usft	Easting:	3,154,774.46 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	4,945.00 usft	Ground Level: 4,929.00 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/30/2014	8.55	66.88	52,767

Design	Rev 1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	254.71

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	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	
1,427.52	16.55	185.40	1,416.06	-118.16	-11.18	2.00	2.00	0.00	185.40	
5,480.35	16.55	185.40	5,300.98	-1,267.52	-119.88	0.00	0.00	0.00	0.00	
6,307.87	0.00	0.01	6,117.04	-1,385.68	-131.06	2.00	-2.00	0.00	180.00	KOP Wind 11
6,407.87	0.00	0.01	6,217.04	-1,385.68	-131.06	0.00	0.00	0.00	0.01	
7,307.87	90.00	270.00	6,790.00	-1,385.68	-704.02	10.00	10.00	0.00	270.00	
11,671.55	90.00	270.00	6,790.00	-1,385.68	-5,067.70	0.00	0.00	0.00	0.00	PBHL Wind 11



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Wind 11
Company:	Extraction Oil & Gas	TVD Reference:	KB @ 4945.00usft (Xtreme 7 - 16')
Project:	Weld Co., Co	MD Reference:	KB @ 4945.00usft (Xtreme 7 - 16')
Site:	Sec.31-T05N-R67W	North Reference:	Grid
Well:	Wind 11	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Rev 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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
Begin Nudge									
700.00	2.00	185.40	699.98	-1.74	-0.16	0.62	2.00	2.00	0.00
800.00	4.00	185.40	799.84	-6.95	-0.66	2.47	2.00	2.00	0.00
900.00	6.00	185.40	899.45	-15.62	-1.48	5.55	2.00	2.00	0.00
1,000.00	8.00	185.40	998.70	-27.76	-2.63	9.85	2.00	2.00	0.00
1,100.00	10.00	185.40	1,097.47	-43.33	-4.10	15.38	2.00	2.00	0.00
1,200.00	12.00	185.40	1,195.62	-62.32	-5.89	22.12	2.00	2.00	0.00
1,300.00	14.00	185.40	1,293.06	-84.72	-8.01	30.07	2.00	2.00	0.00
1,400.00	16.00	185.40	1,389.64	-110.48	-10.45	39.22	2.00	2.00	0.00
1,427.52	16.55	185.40	1,416.06	-118.16	-11.18	41.95	2.00	2.00	0.00
Hold Tangent									
1,500.00	16.55	185.40	1,485.54	-138.72	-13.12	49.24	0.00	0.00	0.00
1,600.00	16.55	185.40	1,581.39	-167.08	-15.80	59.31	0.00	0.00	0.00
1,700.00	16.55	185.40	1,677.25	-195.44	-18.48	69.38	0.00	0.00	0.00
1,800.00	16.55	185.40	1,773.11	-223.80	-21.17	79.44	0.00	0.00	0.00
1,900.00	16.55	185.40	1,868.96	-252.15	-23.85	89.51	0.00	0.00	0.00
2,000.00	16.55	185.40	1,964.82	-280.51	-26.53	99.58	0.00	0.00	0.00
2,100.00	16.55	185.40	2,060.68	-308.87	-29.21	109.64	0.00	0.00	0.00
2,200.00	16.55	185.40	2,156.54	-337.23	-31.90	119.71	0.00	0.00	0.00
2,300.00	16.55	185.40	2,252.39	-365.59	-34.58	129.78	0.00	0.00	0.00
2,400.00	16.55	185.40	2,348.25	-393.95	-37.26	139.85	0.00	0.00	0.00
2,500.00	16.55	185.40	2,444.11	-422.31	-39.94	149.91	0.00	0.00	0.00
2,600.00	16.55	185.40	2,539.96	-450.67	-42.63	159.98	0.00	0.00	0.00
2,700.00	16.55	185.40	2,635.82	-479.03	-45.31	170.05	0.00	0.00	0.00
2,800.00	16.55	185.40	2,731.68	-507.39	-47.99	180.11	0.00	0.00	0.00
2,900.00	16.55	185.40	2,827.53	-535.75	-50.67	190.18	0.00	0.00	0.00
3,000.00	16.55	185.40	2,923.39	-564.11	-53.35	200.25	0.00	0.00	0.00
3,100.00	16.55	185.40	3,019.25	-592.47	-56.04	210.32	0.00	0.00	0.00
3,200.00	16.55	185.40	3,115.11	-620.83	-58.72	220.38	0.00	0.00	0.00
3,300.00	16.55	185.40	3,210.96	-649.18	-61.40	230.45	0.00	0.00	0.00
3,400.00	16.55	185.40	3,306.82	-677.54	-64.08	240.52	0.00	0.00	0.00
3,500.00	16.55	185.40	3,402.68	-705.90	-66.77	250.58	0.00	0.00	0.00
3,559.80	16.55	185.40	3,460.00	-722.86	-68.37	256.60	0.00	0.00	0.00
Parkman									
3,600.00	16.55	185.40	3,498.53	-734.26	-69.45	260.65	0.00	0.00	0.00
3,700.00	16.55	185.40	3,594.39	-762.62	-72.13	270.72	0.00	0.00	0.00
3,800.00	16.55	185.40	3,690.25	-790.98	-74.81	280.79	0.00	0.00	0.00
3,900.00	16.55	185.40	3,786.10	-819.34	-77.49	290.85	0.00	0.00	0.00
4,000.00	16.55	185.40	3,881.96	-847.70	-80.18	300.92	0.00	0.00	0.00
4,100.00	16.55	185.40	3,977.82	-876.06	-82.86	310.99	0.00	0.00	0.00
4,200.00	16.55	185.40	4,073.67	-904.42	-85.54	321.05	0.00	0.00	0.00
4,300.00	16.55	185.40	4,169.53	-932.78	-88.22	331.12	0.00	0.00	0.00
4,400.00	16.55	185.40	4,265.39	-961.14	-90.91	341.19	0.00	0.00	0.00
4,410.03	16.55	185.40	4,275.00	-963.98	-91.17	342.20	0.00	0.00	0.00
Sussex									
4,500.00	16.55	185.40	4,361.25	-989.50	-93.59	351.26	0.00	0.00	0.00
4,600.00	16.55	185.40	4,457.10	-1,017.86	-96.27	361.32	0.00	0.00	0.00



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Wind 11
Company:	Extraction Oil & Gas	TVD Reference:	KB @ 4945.00usft (Xtreme 7 - 16')
Project:	Weld Co., Co	MD Reference:	KB @ 4945.00usft (Xtreme 7 - 16')
Site:	Sec.31-T05N-R67W	North Reference:	Grid
Well:	Wind 11	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Rev 1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,700.00	16.55	185.40	4,552.96	-1,046.22	-98.95	371.39	0.00	0.00	0.00
4,800.00	16.55	185.40	4,648.82	-1,074.57	-101.64	381.46	0.00	0.00	0.00
4,900.00	16.55	185.40	4,744.67	-1,102.93	-104.32	391.52	0.00	0.00	0.00
5,000.00	16.55	185.40	4,840.53	-1,131.29	-107.00	401.59	0.00	0.00	0.00
5,100.00	16.55	185.40	4,936.39	-1,159.65	-109.68	411.66	0.00	0.00	0.00
5,200.00	16.55	185.40	5,032.24	-1,188.01	-112.36	421.72	0.00	0.00	0.00
5,300.00	16.55	185.40	5,128.10	-1,216.37	-115.05	431.79	0.00	0.00	0.00
5,400.00	16.55	185.40	5,223.96	-1,244.73	-117.73	441.86	0.00	0.00	0.00
5,480.35	16.55	185.40	5,300.98	-1,267.52	-119.88	449.95	0.00	0.00	0.00
Begin Drop									
5,500.00	16.16	185.40	5,319.83	-1,273.03	-120.40	451.90	2.00	-2.00	0.00
5,600.00	14.16	185.40	5,416.35	-1,299.06	-122.87	461.14	2.00	-2.00	0.00
5,700.00	12.16	185.40	5,513.72	-1,321.72	-125.01	469.19	2.00	-2.00	0.00
5,800.00	10.16	185.40	5,611.83	-1,340.98	-126.83	476.03	2.00	-2.00	0.00
5,869.12	8.78	185.40	5,680.00	-1,352.30	-127.90	480.04	2.00	-2.00	0.00
Shannon									
5,900.00	8.16	185.40	5,710.55	-1,356.82	-128.33	481.65	2.00	-2.00	0.00
6,000.00	6.16	185.40	5,809.76	-1,369.23	-129.50	486.05	2.00	-2.00	0.00
6,100.00	4.16	185.40	5,909.35	-1,378.18	-130.35	489.23	2.00	-2.00	0.00
6,200.00	2.16	185.40	6,009.19	-1,383.66	-130.87	491.18	2.00	-2.00	0.00
6,300.00	0.16	185.40	6,109.17	-1,385.67	-131.06	491.89	2.00	-2.00	0.00
6,307.87	0.00	0.00	6,117.04	-1,385.68	-131.06	491.89	2.00	-2.00	2,218.51
Vertical Point									
6,400.00	0.00	0.01	6,209.17	-1,385.68	-131.06	491.89	0.00	0.00	0.00
6,407.87	0.00	0.01	6,217.04	-1,385.68	-131.06	491.89	0.00	0.00	0.00
KOP, Build 10°/100' DLS									
6,500.00	9.21	270.00	6,308.77	-1,385.68	-138.45	499.02	10.00	10.00	0.00
6,600.00	19.21	270.00	6,405.59	-1,385.68	-162.97	522.68	10.00	10.00	0.00
6,700.00	29.21	270.00	6,496.68	-1,385.68	-203.93	562.19	10.00	10.00	0.00
6,800.00	39.21	270.00	6,579.27	-1,385.68	-260.09	616.35	10.00	10.00	0.00
6,900.00	49.21	270.00	6,650.85	-1,385.68	-329.73	683.53	10.00	10.00	0.00
7,000.00	59.21	270.00	6,709.25	-1,385.68	-410.75	761.68	10.00	10.00	0.00
7,100.00	69.21	270.00	6,752.70	-1,385.68	-500.68	848.42	10.00	10.00	0.00
7,200.00	79.21	270.00	6,779.87	-1,385.68	-596.78	941.13	10.00	10.00	0.00
7,300.00	89.21	270.00	6,789.94	-1,385.68	-696.15	1,036.97	10.00	10.00	0.00
7,307.87	90.00	270.00	6,790.00	-1,385.68	-704.02	1,044.56	10.00	10.00	0.00
LP, Hold to TD - Niobrara - 7" Csg									
7,400.00	90.00	270.00	6,790.00	-1,385.68	-796.15	1,133.43	0.00	0.00	0.00
7,500.00	90.00	270.00	6,790.00	-1,385.68	-896.15	1,229.89	0.00	0.00	0.00
7,600.00	90.00	270.00	6,790.00	-1,385.68	-996.15	1,326.35	0.00	0.00	0.00
7,700.00	90.00	270.00	6,790.00	-1,385.68	-1,096.15	1,422.81	0.00	0.00	0.00
7,800.00	90.00	270.00	6,790.00	-1,385.68	-1,196.15	1,519.27	0.00	0.00	0.00
7,900.00	90.00	270.00	6,790.00	-1,385.68	-1,296.15	1,615.73	0.00	0.00	0.00
8,000.00	90.00	270.00	6,790.00	-1,385.68	-1,396.15	1,712.18	0.00	0.00	0.00
8,100.00	90.00	270.00	6,790.00	-1,385.68	-1,496.15	1,808.64	0.00	0.00	0.00
8,200.00	90.00	270.00	6,790.00	-1,385.68	-1,596.15	1,905.10	0.00	0.00	0.00
8,300.00	90.00	270.00	6,790.00	-1,385.68	-1,696.15	2,001.56	0.00	0.00	0.00
8,400.00	90.00	270.00	6,790.00	-1,385.68	-1,796.15	2,098.02	0.00	0.00	0.00
8,500.00	90.00	270.00	6,790.00	-1,385.68	-1,896.15	2,194.48	0.00	0.00	0.00
8,600.00	90.00	270.00	6,790.00	-1,385.68	-1,996.15	2,290.94	0.00	0.00	0.00
8,700.00	90.00	270.00	6,790.00	-1,385.68	-2,096.15	2,387.40	0.00	0.00	0.00
8,800.00	90.00	270.00	6,790.00	-1,385.68	-2,196.15	2,483.86	0.00	0.00	0.00
8,900.00	90.00	270.00	6,790.00	-1,385.68	-2,296.15	2,580.32	0.00	0.00	0.00



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Wind 11
Company:	Extraction Oil & Gas	TVD Reference:	KB @ 4945.00usft (Xtreme 7 - 16')
Project:	Weld Co., Co	MD Reference:	KB @ 4945.00usft (Xtreme 7 - 16')
Site:	Sec.31-T05N-R67W	North Reference:	Grid
Well:	Wind 11	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Rev 1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,000.00	90.00	270.00	6,790.00	-1,385.68	-2,396.15	2,676.78	0.00	0.00	0.00	
9,100.00	90.00	270.00	6,790.00	-1,385.68	-2,496.15	2,773.23	0.00	0.00	0.00	
9,200.00	90.00	270.00	6,790.00	-1,385.68	-2,596.15	2,869.69	0.00	0.00	0.00	
9,300.00	90.00	270.00	6,790.00	-1,385.68	-2,696.15	2,966.15	0.00	0.00	0.00	
9,400.00	90.00	270.00	6,790.00	-1,385.68	-2,796.15	3,062.61	0.00	0.00	0.00	
9,500.00	90.00	270.00	6,790.00	-1,385.68	-2,896.15	3,159.07	0.00	0.00	0.00	
9,600.00	90.00	270.00	6,790.00	-1,385.68	-2,996.15	3,255.53	0.00	0.00	0.00	
9,700.00	90.00	270.00	6,790.00	-1,385.68	-3,096.15	3,351.99	0.00	0.00	0.00	
9,800.00	90.00	270.00	6,790.00	-1,385.68	-3,196.15	3,448.45	0.00	0.00	0.00	
9,900.00	90.00	270.00	6,790.00	-1,385.68	-3,296.15	3,544.91	0.00	0.00	0.00	
10,000.00	90.00	270.00	6,790.00	-1,385.68	-3,396.15	3,641.37	0.00	0.00	0.00	
10,100.00	90.00	270.00	6,790.00	-1,385.68	-3,496.15	3,737.83	0.00	0.00	0.00	
10,200.00	90.00	270.00	6,790.00	-1,385.68	-3,596.15	3,834.28	0.00	0.00	0.00	
10,300.00	90.00	270.00	6,790.00	-1,385.68	-3,696.15	3,930.74	0.00	0.00	0.00	
10,400.00	90.00	270.00	6,790.00	-1,385.68	-3,796.15	4,027.20	0.00	0.00	0.00	
10,500.00	90.00	270.00	6,790.00	-1,385.68	-3,896.15	4,123.66	0.00	0.00	0.00	
10,600.00	90.00	270.00	6,790.00	-1,385.68	-3,996.15	4,220.12	0.00	0.00	0.00	
10,700.00	90.00	270.00	6,790.00	-1,385.68	-4,096.15	4,316.58	0.00	0.00	0.00	
10,800.00	90.00	270.00	6,790.00	-1,385.68	-4,196.15	4,413.04	0.00	0.00	0.00	
10,900.00	90.00	270.00	6,790.00	-1,385.68	-4,296.15	4,509.50	0.00	0.00	0.00	
11,000.00	90.00	270.00	6,790.00	-1,385.68	-4,396.15	4,605.96	0.00	0.00	0.00	
11,100.00	90.00	270.00	6,790.00	-1,385.68	-4,496.15	4,702.42	0.00	0.00	0.00	
11,200.00	90.00	270.00	6,790.00	-1,385.68	-4,596.15	4,798.88	0.00	0.00	0.00	
11,300.00	90.00	270.00	6,790.00	-1,385.68	-4,696.15	4,895.33	0.00	0.00	0.00	
11,400.00	90.00	270.00	6,790.00	-1,385.68	-4,796.15	4,991.79	0.00	0.00	0.00	
11,500.00	90.00	270.00	6,790.00	-1,385.68	-4,896.15	5,088.25	0.00	0.00	0.00	
11,600.00	90.00	270.00	6,790.00	-1,385.68	-4,996.15	5,184.71	0.00	0.00	0.00	
11,671.55	90.00	270.00	6,790.00	-1,385.68	-5,067.70	5,253.73	0.00	0.00	0.00	
PBHL/TD										

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
KOP Wind 11	0.00	0.00	6,117.04	-1,385.68	-131.06	1,370,667.18	3,154,643.40	40° 20' 58.396 N	104° 56' 42.566 W
- plan hits target center									
- Point									
LP Wind 11	0.00	0.00	6,790.00	-1,385.68	-704.02	1,370,667.18	3,154,070.45	40° 20' 58.432 N	104° 56' 49.967 W
- plan hits target center									
- Point									
PBHL Wind 11	0.00	0.01	6,790.00	-1,385.68	-5,067.70	1,370,667.18	3,149,706.76	40° 20' 58.697 N	104° 57' 46.328 W
- plan hits target center									
- Point									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")
7,307.87	6,790.00	7" Csg		7	7-1/2



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well Wind 11
Company:	Extraction Oil & Gas	TVD Reference:	KB @ 4945.00usft (Xtreme 7 - 16')
Project:	Weld Co., Co	MD Reference:	KB @ 4945.00usft (Xtreme 7 - 16')
Site:	Sec.31-T05N-R67W	North Reference:	Grid
Well:	Wind 11	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Rev 1		

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,559.80	3,460.00	Parkman		0.00	
4,410.03	4,275.00	Sussex		0.00	
5,869.12	5,680.00	Shannon		0.00	
7,307.87	6,790.00	Niobrara		0.00	

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
600.00	600.00	0.00	0.00	Begin Nudge
1,427.52	1,416.06	-118.16	-11.18	Hold Tangent
5,480.35	5,300.98	-1,267.52	-119.88	Begin Drop
6,307.87	6,117.04	-1,385.68	-131.06	Vertical Point
6,407.87	6,217.04	-1,385.68	-131.06	KOP, Build 10°/100' DLS
7,307.87	6,790.00	-1,385.68	-704.02	LP, Hold to TD
11,671.55	6,790.00	-1,385.68	-5,067.70	PBHL/TD