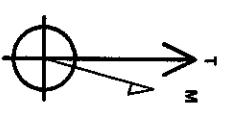
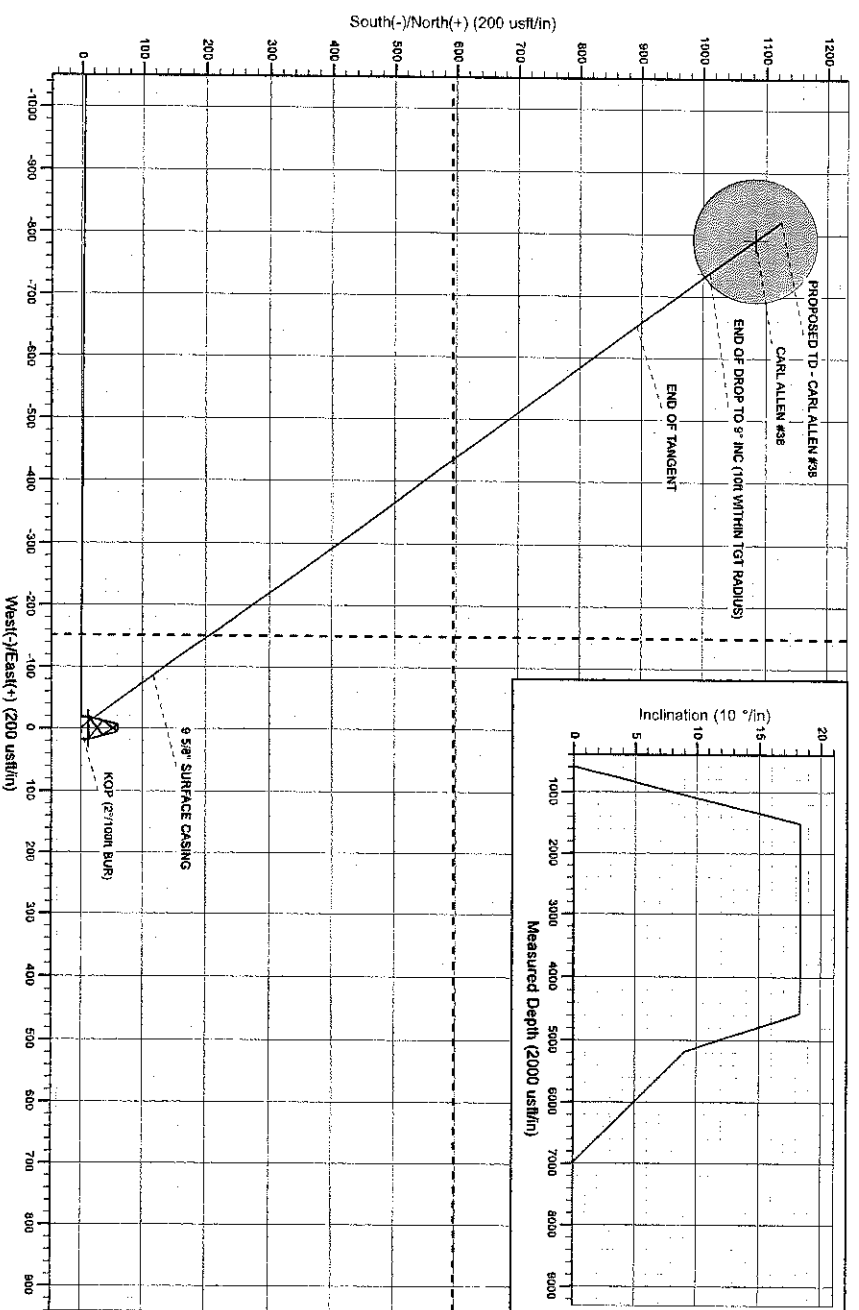
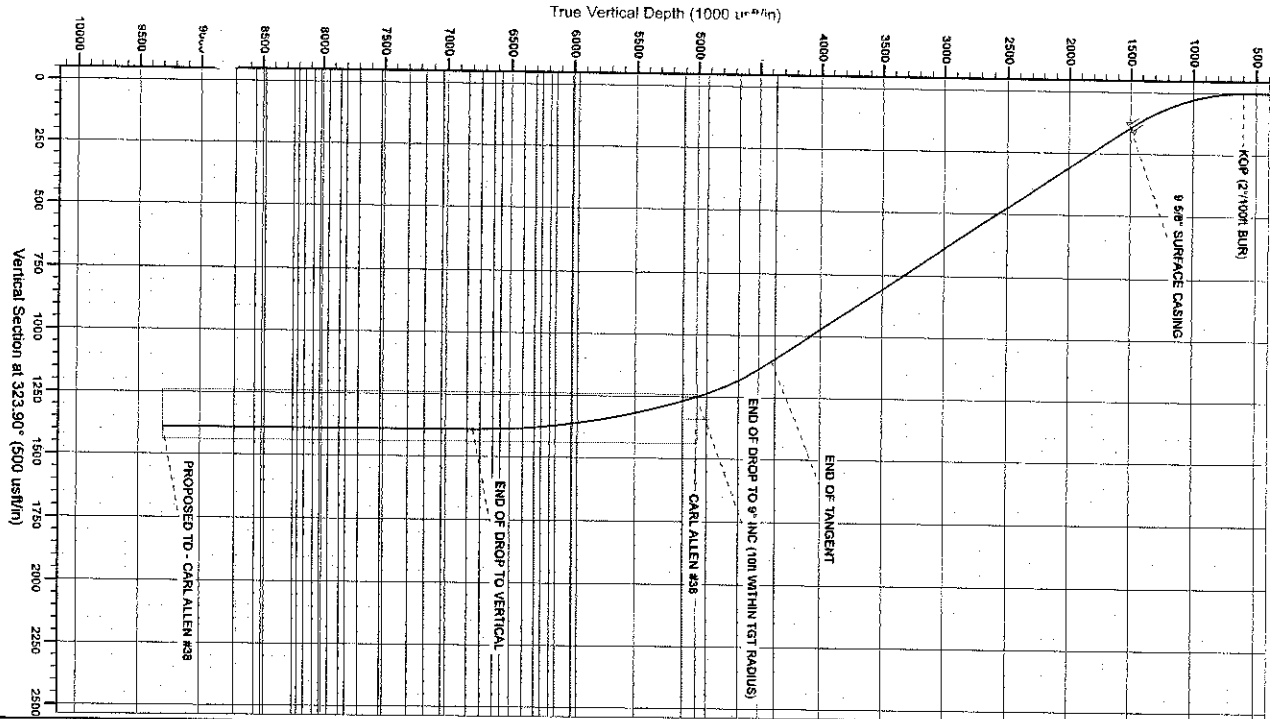


Project: COLORADO (MOFFAT COUNTY)
 Site: SEC.33 TWP. 12N RGE.97W 6th P.M.
 Well: CARL ALLEN #38
 Wellbore: ORIGINAL WELLBORE
 Design: PROPOSAL #1



Azimuths to True North
 Magnetic North: 10.78°
 Strength: 53058.8mT
 Dip Angle: 66.90°
 Date: 04/10/2010
 Model: IGRF2010

ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Annotation		
600.0	600.0	0.00	0.00	0.0	0.0	0.0	KOP (27100ft BUR)		
1500.0	1515.5	18.31	323.90	117.2	-85.5	145.0	9 5/8\" SURFACE CASING		
4396.9	4587.1	18.32	323.90	892.2	-650.6	1104.2	END OF TANGENT		
5000.0	5198.4	0.00	323.90	1010.6	-797.0	1250.8	END OF DROP TO VERTICAL		
6792.8	6988.4	0.00	0.00	1124.6	-820.1	1381.9	PROPOSED TD - CARL ALLEN #38		
9300.0	9490.8	0.00	0.00	1124.6	-820.1	1381.9			

05:24:22-0300002
 05:24:22-0300002

Planning Report

Database:	EDM_5000_1_7	Local Co-ordinate Reference:	Well CARL ALLEN #38
Company:	WEXPRO COMPANY	TVD Reference:	KB-EST @ 6609.0usft (Original Well Elev)
Project:	COLORADO (MOFFAT COUNTY)	MD Reference:	KB-EST @ 6609.0usft (Original Well Elev)
Site:	SEC.33 TWP. 12N RGE.97W 6th P.M.	North Reference:	True
Well:	CARL ALLEN #38	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Project	COLORADO (MOFFAT COUNTY)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	SEC.33 TWP. 12N RGE.97W 6th P.M.		
Site Position:		Northing:	1,603,033.84 usft
From:	Lat/Long	Easting:	2,226,452.94 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	40° 57' 18.551 N
		Longitude:	108° 18' 3.038 W
		Grid Convergence:	-1.81 °

Well	CARL ALLEN #38		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	40° 57' 18.551 N
		Longitude:	108° 18' 3.038 W
		Ground Level:	6,591.0 usft

Wellbore	ORIGINAL WELLBORE		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	04/10/2010	10.78
			Dip Angle
			(°)
			Field Strength
			(nT)
			53,059

Design	PROPOSAL #1		
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Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0.0

Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	5,000.0	0.0	0.0	323.90

Plan Sections											
MD	Inc	Azi	Vertical	SS	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
(usft)	(°)	(°)	Depth	(usft)	(usft)	(usft)	Rate	Rate	Rate	(°)	
							(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	-6,609.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	-6,009.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,515.5	18.31	323.90	1,500.0	-5,109.0	117.2	-85.5	2.00	2.00	0.00	323.90	
1,580.5	18.31	323.90	1,561.7	-5,047.3	133.7	-97.5	0.00	0.00	0.00	0.00	
1,581.0	18.32	323.90	1,562.2	-5,046.8	133.8	-97.6	2.00	2.00	0.00	0.00	
4,567.1	18.32	323.90	4,396.9	-2,212.1	892.2	-650.6	0.00	0.00	0.00	0.00	
5,188.4	9.00	323.90	5,000.0	-1,609.0	1,010.6	-737.0	1.50	-1.50	0.00	180.00	10ft WITHIN CARL
6,988.4	0.00	0.00	6,792.6	183.6	1,124.6	-820.1	0.50	-0.50	0.00	180.00	
9,495.8	0.00	0.00	9,300.0	2,691.0	1,124.6	-820.1	0.00	0.00	0.00	0.00	

5000.1-2 11/11/09

Planning Report

Database:	EDM_5000_1_7	Local Co-ordinate Reference:	Well CARL ALLEN #38
Company:	WEXPRO COMPANY	TVD Reference:	KB-EST @ 6609.0usft (Original Well Elev)
Project:	COLORADO (MOFFAT COUNTY)	MD Reference:	KB-EST @ 6609.0usft (Original Well Elev)
Site:	SEC.33 TWP. 12N RGE.97W 6th P.M.	North Reference:	True
Well:	CARL ALLEN #38	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
KOP (2°/100ft BUR)										
600.0	0.00	0.00	600.0	6,009.00	0.0	0.0	0.0	0.00	0.00	0.00
700.0	2.00	323.90	700.0	5,909.02	1.4	-1.0	1.7	2.00	2.00	0.00
800.0	4.00	323.90	799.8	5,809.16	5.6	-4.1	7.0	2.00	2.00	0.00
900.0	6.00	323.90	899.5	5,709.55	12.7	-9.2	15.7	2.00	2.00	0.00
1,000.0	8.00	323.90	998.7	5,610.30	22.5	-16.4	27.9	2.00	2.00	0.00
1,100.0	10.00	323.90	1,097.5	5,511.53	35.2	-25.6	43.5	2.00	2.00	0.00
1,200.0	12.00	323.90	1,195.6	5,413.38	50.6	-36.9	62.6	2.00	2.00	0.00
1,300.0	14.00	323.90	1,293.1	5,315.94	68.8	-50.1	85.1	2.00	2.00	0.00
1,400.0	16.00	323.90	1,389.6	5,219.36	89.7	-65.4	111.0	2.00	2.00	0.00
1,500.0	18.00	323.90	1,485.3	5,123.73	113.3	-82.6	140.2	2.00	2.00	0.00
9 5/8" SURFACE CASING - 9 5/8" SURFACE CASING										
1,515.5	18.31	323.90	1,500.0	5,109.00	117.2	-85.5	145.0	2.00	2.00	0.00
1,580.5	18.31	323.90	1,561.7	5,047.29	133.7	-97.5	165.5	0.00	0.00	0.00
1,581.0	18.32	323.90	1,562.2	5,046.81	133.8	-97.6	165.6	2.00	2.00	0.00
1,600.0	18.32	323.90	1,580.2	5,028.78	138.6	-101.1	171.6	0.00	0.00	0.00
1,700.0	18.32	323.90	1,675.1	4,933.85	164.0	-119.6	203.0	0.00	0.00	0.00
1,800.0	18.32	323.90	1,770.1	4,838.92	189.4	-138.1	234.5	0.00	0.00	0.00
1,900.0	18.32	323.90	1,865.0	4,743.99	214.8	-156.7	265.9	0.00	0.00	0.00
2,000.0	18.32	323.90	1,959.9	4,649.06	240.2	-175.2	297.3	0.00	0.00	0.00
2,100.0	18.32	323.90	2,054.9	4,554.13	265.6	-193.7	328.8	0.00	0.00	0.00
2,200.0	18.32	323.90	2,149.8	4,459.19	291.0	-212.2	360.2	0.00	0.00	0.00
2,300.0	18.32	323.90	2,244.7	4,364.26	316.4	-230.7	391.6	0.00	0.00	0.00
2,400.0	18.32	323.90	2,339.7	4,269.33	341.8	-249.3	423.1	0.00	0.00	0.00
2,500.0	18.32	323.90	2,434.6	4,174.40	367.2	-267.8	454.5	0.00	0.00	0.00
2,600.0	18.32	323.90	2,529.5	4,079.47	392.6	-286.3	485.9	0.00	0.00	0.00
2,700.0	18.32	323.90	2,624.5	3,984.54	418.0	-304.8	517.4	0.00	0.00	0.00
2,800.0	18.32	323.90	2,719.4	3,889.61	443.4	-323.3	548.8	0.00	0.00	0.00
2,900.0	18.32	323.90	2,814.3	3,794.67	468.8	-341.9	580.2	0.00	0.00	0.00
3,000.0	18.32	323.90	2,909.3	3,699.74	494.2	-360.4	611.7	0.00	0.00	0.00
3,100.0	18.32	323.90	3,004.2	3,604.81	519.6	-378.9	643.1	0.00	0.00	0.00
3,200.0	18.32	323.90	3,099.1	3,509.88	545.0	-397.4	674.5	0.00	0.00	0.00
3,300.0	18.32	323.90	3,194.1	3,414.95	570.4	-415.9	705.9	0.00	0.00	0.00
3,400.0	18.32	323.90	3,289.0	3,320.02	595.8	-434.5	737.4	0.00	0.00	0.00
3,500.0	18.32	323.90	3,383.9	3,225.09	621.2	-453.0	768.8	0.00	0.00	0.00
3,600.0	18.32	323.90	3,478.8	3,130.15	646.6	-471.5	800.2	0.00	0.00	0.00
3,700.0	18.32	323.90	3,573.8	3,035.22	672.0	-490.0	831.7	0.00	0.00	0.00
3,800.0	18.32	323.90	3,668.7	2,940.29	697.4	-508.5	863.1	0.00	0.00	0.00
3,900.0	18.32	323.90	3,763.6	2,845.36	722.8	-527.1	894.5	0.00	0.00	0.00
4,000.0	18.32	323.90	3,858.6	2,750.43	748.2	-545.6	926.0	0.00	0.00	0.00
4,100.0	18.32	323.90	3,953.5	2,655.50	773.6	-564.1	957.4	0.00	0.00	0.00
4,200.0	18.32	323.90	4,048.4	2,560.56	799.0	-582.6	988.8	0.00	0.00	0.00
4,300.0	18.32	323.90	4,143.4	2,465.63	824.4	-601.1	1,020.3	0.00	0.00	0.00
4,400.0	18.32	323.90	4,238.3	2,370.70	849.8	-619.7	1,051.7	0.00	0.00	0.00
4,500.0	18.32	323.90	4,333.2	2,275.77	875.2	-638.2	1,083.1	0.00	0.00	0.00
A-4-G SD										
4,534.5	18.32	323.90	4,366.0	2,243.00	883.9	-644.6	1,094.0	0.00	0.00	0.00
END OF TANGENT										
4,567.1	18.32	323.90	4,396.9	2,212.07	892.2	-650.6	1,104.2	0.00	0.00	0.00
4,600.0	17.83	323.90	4,428.2	2,180.79	900.5	-656.6	1,114.4	1.50	-1.50	0.00
4,700.0	16.33	323.90	4,523.8	2,085.21	924.2	-673.9	1,143.8	1.50	-1.50	0.00
4,800.0	14.83	323.90	4,620.1	1,988.88	945.9	-689.7	1,170.7	1.50	-1.50	0.00
BIG WATER SD										
4,846.4	14.13	323.90	4,665.0	1,944.00	955.2	-696.6	1,182.2	1.50	-1.50	0.00

Planning Report

Database:	EDM_5000_1_7	Local Co-ordinate Reference:	Well CARL ALLEN #38
Company:	WEXPRO COMPANY	TVD Reference:	KB-EST @ 6609.0usft (Original Well Elev)
Project:	COLORADO (MOFFAT COUNTY)	MD Reference:	KB-EST @ 6609.0usft (Original Well Elev)
Site:	SEC.33 TWP. 12N RGE.97W 6th P.M.	North Reference:	True
Well:	CARL ALLEN #38	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Planned Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,900.0	13.33	323.90	4,717.1	1,891.89	965.5	-704.1	1,195.0	1.50	-1.50	0.00
5,000.0	11.83	323.90	4,814.7	1,794.29	983.1	-716.9	1,216.7	1.50	-1.50	0.00
5,100.0	10.33	323.90	4,912.8	1,696.15	998.6	-728.2	1,236.0	1.50	-1.50	0.00
A-4-H SD										
5,106.3	10.23	323.90	4,919.0	1,690.00	999.5	-728.9	1,237.1	1.50	-1.50	0.00
END OF DROP TO 9° INC (10ft WITHIN TGT RADIUS)										
5,188.4	9.00	323.90	5,000.0	1,609.01	1,010.6	-737.0	1,250.8	1.50	-1.50	0.00
5,200.0	8.94	323.90	5,011.4	1,597.55	1,012.1	-738.0	1,252.6	0.50	-0.50	0.00
5,300.0	8.44	323.90	5,110.3	1,498.70	1,024.3	-746.9	1,267.7	0.50	-0.50	0.00
FORT UNION										
5,300.7	8.44	323.90	5,111.0	1,498.00	1,024.4	-747.0	1,267.8	0.50	-0.50	0.00
5,400.0	7.94	323.90	5,209.3	1,399.72	1,035.8	-755.3	1,282.0	0.50	-0.50	0.00
5,500.0	7.44	323.90	5,308.4	1,300.62	1,046.6	-763.2	1,295.4	0.50	-0.50	0.00
5,600.0	6.94	323.90	5,407.6	1,201.41	1,056.7	-770.6	1,307.9	0.50	-0.50	0.00
5,700.0	6.44	323.90	5,506.9	1,102.09	1,066.2	-777.5	1,319.5	0.50	-0.50	0.00
5,800.0	5.94	323.90	5,606.3	1,002.67	1,074.9	-783.8	1,330.3	0.50	-0.50	0.00
5,900.0	5.44	323.90	5,705.8	903.17	1,082.9	-789.7	1,340.2	0.50	-0.50	0.00
6,000.0	4.94	323.90	5,805.4	803.58	1,090.2	-795.0	1,349.3	0.50	-0.50	0.00
6,100.0	4.44	323.90	5,905.1	703.91	1,096.8	-799.8	1,357.5	0.50	-0.50	0.00
L.F.U. ALLEN 8A										
6,154.1	4.17	323.90	5,959.0	650.00	1,100.1	-802.2	1,361.5	0.50	-0.50	0.00
6,200.0	3.94	323.90	6,004.8	604.18	1,102.7	-804.1	1,364.8	0.50	-0.50	0.00
L.F.U. ALLEN 8B										
6,201.2	3.94	323.90	6,006.0	603.00	1,102.8	-804.2	1,364.9	0.50	-0.50	0.00
6,300.0	3.44	323.90	6,104.6	504.39	1,107.9	-807.9	1,371.2	0.50	-0.50	0.00
L.F.U. ALLEN 8E										
6,332.4	3.28	323.90	6,137.0	472.00	1,109.5	-809.0	1,373.1	0.50	-0.50	0.00
L.F.U. ALLEN 8E1										
6,379.5	3.04	323.90	6,184.0	425.00	1,111.6	-810.6	1,375.7	0.50	-0.50	0.00
6,400.0	2.94	323.90	6,204.5	404.55	1,112.4	-811.2	1,376.8	0.50	-0.50	0.00
L.F.U. ALLEN 8F										
6,449.6	2.69	323.90	6,254.0	355.00	1,114.4	-812.6	1,379.2	0.50	-0.50	0.00
6,500.0	2.44	323.90	6,304.3	304.66	1,116.2	-814.0	1,381.5	0.50	-0.50	0.00
L.F.U. ALLEN 8G										
6,502.7	2.43	323.90	6,307.0	302.00	1,116.3	-814.0	1,381.6	0.50	-0.50	0.00
L.F.U. ALLEN 8H										
6,591.7	1.98	323.90	6,396.0	213.00	1,119.1	-816.0	1,385.0	0.50	-0.50	0.00
6,600.0	1.94	323.90	6,404.3	204.73	1,119.3	-816.2	1,385.3	0.50	-0.50	0.00
6,700.0	1.44	323.90	6,504.2	104.77	1,121.7	-818.0	1,388.3	0.50	-0.50	0.00
L.F.U. ALLEN 9A										
6,768.8	1.10	323.90	6,573.0	36.00	1,122.9	-818.9	1,389.8	0.50	-0.50	0.00
6,800.0	0.94	323.90	6,604.2	4.80	1,123.4	-819.2	1,390.3	0.50	-0.50	0.00
L.F.U. ALLEN 9B										
6,827.8	0.80	323.90	6,632.0	-23.00	1,123.7	-819.4	1,390.8	0.50	-0.50	0.00
6,900.0	0.44	323.90	6,704.2	-95.20	1,124.4	-819.9	1,391.5	0.50	-0.50	0.00
L.F.U. ALLEN 9C										
6,930.8	0.29	323.90	6,735.0	-126.00	1,124.5	-820.0	1,391.7	0.50	-0.50	0.00
END OF DROP TO VERTICAL										
6,988.4	0.00	0.00	6,792.6	-183.60	1,124.6	-820.1	1,391.9	0.50	-0.50	62.68
7,000.0	0.00	0.00	6,804.2	-195.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
L.F.U. ALLEN 11										
7,031.8	0.00	0.00	6,836.0	-227.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00

Planning Report

Database: EDM_5000_1_7
 Company: WEXPRO COMPANY
 Project: COLORADO (MOFFAT COUNTY)
 Site: SEC.33 TWP. 12N RGE.97W 6th P.M.
 Well: CARL ALLEN #38
 Wellbore: ORIGINAL WELLBORE
 Design: PROPOSAL #1

Local Co-ordinate Reference: Well CARL ALLEN #38
 TVD Reference: KB-EST @ 6609.0usft (Original Well Elev)
 MD Reference: KB-EST @ 6609.0usft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,100.0	0.00	0.00	6,904.2	-295.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
7,200.0	0.00	0.00	7,004.2	-395.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
L.F.U. ALLEN 11A										
7,228.8	0.00	0.00	7,033.0	-424.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
7,300.0	0.00	0.00	7,104.2	-495.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
L.F.U. ALLEN 11B										
7,358.8	0.00	0.00	7,163.0	-554.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
7,400.0	0.00	0.00	7,204.2	-595.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
L.F.U. ALLEN 11C										
7,492.8	0.00	0.00	7,297.0	-688.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
7,500.0	0.00	0.00	7,304.2	-695.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
7,600.0	0.00	0.00	7,404.2	-795.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
7,700.0	0.00	0.00	7,504.2	-895.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
L.F.U. 4600										
7,716.8	0.00	0.00	7,521.0	-912.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
7,800.0	0.00	0.00	7,604.2	-995.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
L.F.U. ALLEN 10A										
7,894.8	0.00	0.00	7,699.0	-1,090.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
7,900.0	0.00	0.00	7,704.2	-1,095.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
L.F.U. ALLEN 10B										
7,998.8	0.00	0.00	7,803.0	-1,194.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
8,000.0	0.00	0.00	7,804.2	-1,195.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
L.F.U. ALLEN 10C										
8,050.8	0.00	0.00	7,855.0	-1,246.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
8,100.0	0.00	0.00	7,904.2	-1,295.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
L.F.U. ALLEN 6										
8,143.8	0.00	0.00	7,948.0	-1,339.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
8,200.0	0.00	0.00	8,004.2	-1,395.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
L.F.U. ALLEN 6A										
8,213.8	0.00	0.00	8,018.0	-1,409.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
L.F.U. ALLEN 6B										
8,267.8	0.00	0.00	8,072.0	-1,463.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
8,300.0	0.00	0.00	8,104.2	-1,495.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
L.F.U. ALLEN 6C										
8,342.8	0.00	0.00	8,147.0	-1,538.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
L.F.U. ALLEN 6D										
8,396.8	0.00	0.00	8,201.0	-1,592.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
8,400.0	0.00	0.00	8,204.2	-1,595.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
L.F.U. ALLEN 6E										
8,437.8	0.00	0.00	8,242.0	-1,633.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
8,500.0	0.00	0.00	8,304.2	-1,695.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
8,600.0	0.00	0.00	8,404.2	-1,795.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
L.F.U. ALLEN 6G										
8,671.8	0.00	0.00	8,476.0	-1,867.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
8,700.0	0.00	0.00	8,504.2	-1,895.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
L.F.U. ALLEN 6H										
8,752.8	0.00	0.00	8,557.0	-1,948.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
8,800.0	0.00	0.00	8,604.2	-1,995.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
8,900.0	0.00	0.00	8,704.2	-2,095.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
L.F.U. ALLEN 6K										
8,915.8	0.00	0.00	8,720.0	-2,111.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
9,000.0	0.00	0.00	8,804.2	-2,195.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00

Planning Report

Database:	EDM_5000_1_7	Local Co-ordinate Reference:	Well CARL ALLEN #38
Company:	WEXPRO COMPANY	TVD Reference:	KB-EST @ 6609.0usft (Original Well Elev)
Project:	COLORADO (MOFFAT COUNTY)	MD Reference:	KB-EST @ 6609.0usft (Original Well Elev)
Site:	SEC.33 TWP. 12N RGE.97W 6th P.M.	North Reference:	True
Well:	CARL ALLEN #38	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,100.0	0.00	0.00	8,904.2	-2,295.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
9,200.0	0.00	0.00	9,004.2	-2,395.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
9,300.0	0.00	0.00	9,104.2	-2,495.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
9,400.0	0.00	0.00	9,204.2	-2,595.20	1,124.6	-820.1	1,391.9	0.00	0.00	0.00
PROPOSED TD - CARL ALLEN #38										
9,495.8	0.00	0.00	9,300.0	-2,691.00	1,124.6	-820.1	1,391.9	0.00	0.00	0.00

Casing Points

MD (usft)	TVD (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,515.5	1,500.0	9 5/8" SURFACE CASING	9-5/8	12-3/4

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Planning Report

Database:	EDM_5000_1_7	Local Co-ordinate Reference:	Well CARL ALLEN #38
Company:	WEXPRO COMPANY	TVD Reference:	KB-EST @ 6609.0usft (Original Well Elev)
Project:	COLORADO (MOFFAT COUNTY)	MD Reference:	KB-EST @ 6609.0usft (Original Well Elev)
Site:	SEC.33 TWP. 12N RGE.97W 6th P.M.	North Reference:	True
Well:	CARL ALLEN #38	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Formations

MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,534.5	4,366.0	A-4-G SD		0.00	
4,846.4	4,665.0	BIG WATER SD		0.00	
5,106.3	4,919.0	A-4-H SD		0.00	
5,300.7	5,111.0	FORT UNION		0.00	
6,154.1	5,959.0	L.F.U. ALLEN 8A		0.00	
6,201.2	6,006.0	L.F.U. ALLEN 8B		0.00	
6,332.4	6,137.0	L.F.U. ALLEN 8E		0.00	
6,379.5	6,184.0	L.F.U. ALLEN 8E1		0.00	
6,449.6	6,254.0	L.F.U. ALLEN 8F		0.00	
6,502.7	6,307.0	L.F.U. ALLEN 8G		0.00	
6,591.7	6,396.0	L.F.U. ALLEN 8H		0.00	
6,768.8	6,573.0	L.F.U. ALLEN 9A		0.00	
6,827.8	6,632.0	L.F.U. ALLEN 9B		0.00	
6,930.8	6,735.0	L.F.U. ALLEN 9C		0.00	
7,031.8	6,836.0	L.F.U. ALLEN 11		0.00	
7,228.8	7,033.0	L.F.U. ALLEN 11A		0.00	
7,358.8	7,163.0	L.F.U. ALLEN 11B		0.00	
7,492.8	7,297.0	L.F.U. ALLEN 11C		0.00	
7,716.8	7,521.0	L.F.U. 4600		0.00	
7,894.8	7,699.0	L.F.U. ALLEN 10A		0.00	
7,998.8	7,803.0	L.F.U. ALLEN 10B		0.00	
8,050.8	7,855.0	L.F.U. ALLEN 10C		0.00	
8,143.8	7,948.0	L.F.U. ALLEN 6		0.00	
8,213.8	8,018.0	L.F.U. ALLEN 6A		0.00	
8,267.8	8,072.0	L.F.U. ALLEN 6B		0.00	
8,342.8	8,147.0	L.F.U. ALLEN 6C		0.00	
8,396.8	8,201.0	L.F.U. ALLEN 6D		0.00	
8,437.8	8,242.0	L.F.U. ALLEN 6E		0.00	
8,671.8	8,476.0	L.F.U. ALLEN 6G		0.00	
8,752.8	8,557.0	L.F.U. ALLEN 6H		0.00	
8,915.8	8,720.0	L.F.U. ALLEN 6K		0.00	

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Plan Annotations

MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
600.0	600.0	0.0	0.0	KOP (2°/100ft BUR)
1,515.5	1,500.0	117.2	-85.5	9 5/8" SURFACE CASING
4,567.1	4,396.9	133.7	-97.5	END OF TANGENT
5,188.4	5,000.0	133.8	-97.6	END OF DROP TO 9° INC (10ft WITHIN TGT RADIUS)
6,988.4	6,792.6	892.2	-650.6	END OF DROP TO VERTICAL
9,495.8	9,300.0	1,010.6	-737.0	PROPOSED TD - CARL ALLEN #38