



WEXPRO COMPANY

COLORADO (MOFFAT COUNTY)

SEC. 32 TWP. 12N RGE. 97W 6th.P.M (CA #44 PAD)

CARL ALLEN #51

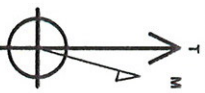
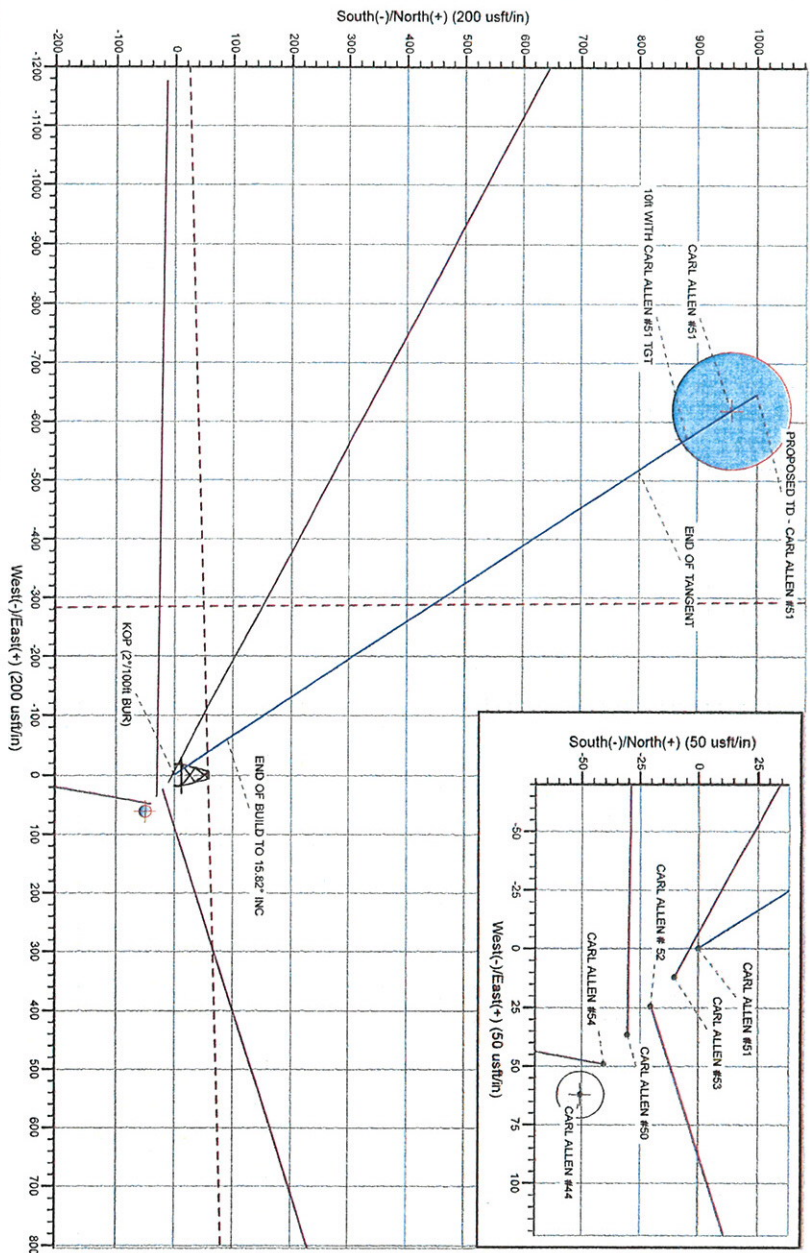
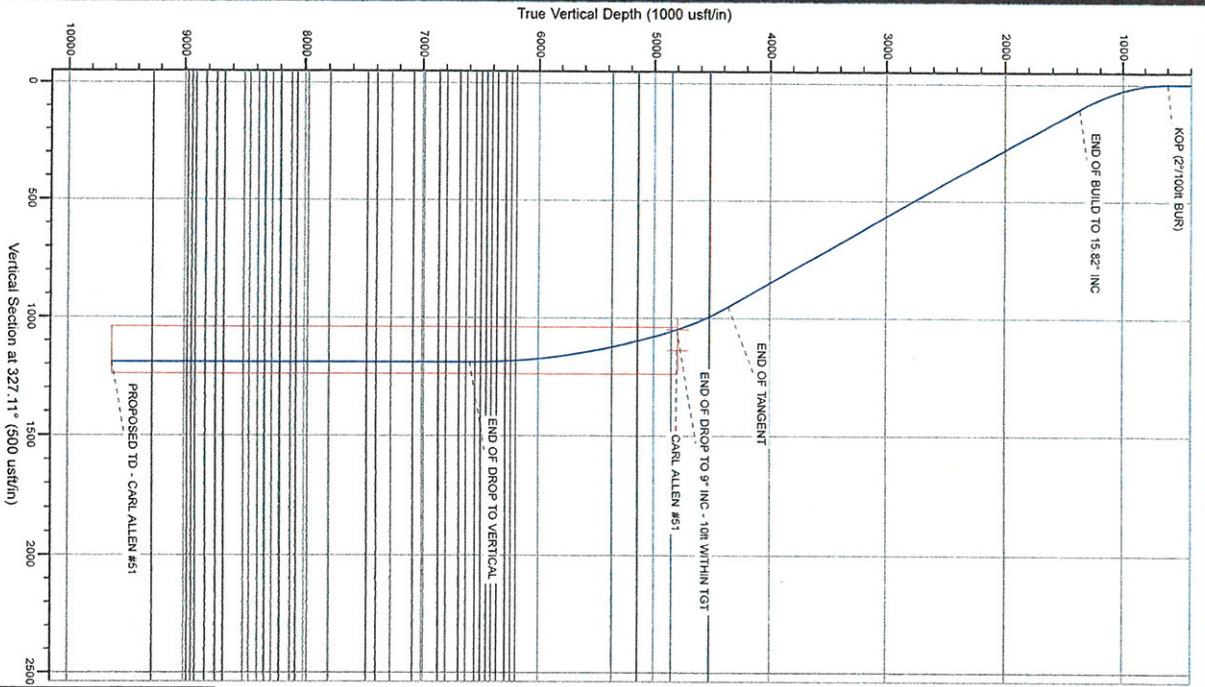
ORIGINAL WELLBORE

08 September, 2011

Plan: PROPSOSAL #1



Project: COLORADO (MOFFAT COUNTY)
 Site: SEC. 32 TWP. 12N RGE. 97W 6th.P.M (CA #44 PAD)
 Well: CARL ALLEN #51
 Wellbore: ORIGINAL WELLBORE
 Design: PROPOSAL #1



Azimuths to True North
 Magnetic North: 10.66°
 Magnetic Field
 Strength: 52960.0snT
 Dip Angle: 66.86°
 Date: 08/09/2011
 Model: IGRF2010

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Annotation
6000	6000	0.00	0.00	0.0	0.0	0.0	KOP (27100ft BUR)
1380.8	1380.8	15.82	327.11	91.1	-58.9	108.5	END OF BUILD TO 15.82° INC
4356.4	4463.5	15.82	327.11	798.9	-516.6	951.4	END OF TANGENT
4800.0	4938.0	9.00	327.11	880.9	-569.6	1048.0	END OF DROP TO 9° INC - 10ft WITHIN TGT
6592.6	6738.0	0.00	0.00	999.3	-646.2	1190.1	END OF DROP TO VERTICAL
9619.6	9765.0	0.00	0.00	999.3	-646.2	1190.1	PROPOSED TD - CARL ALLEN #51

ANNOTATIONS

Planning Report

Database:	EDM_5000_1_7	Local Co-ordinate Reference:	Well CARL ALLEN #51
Company:	WEXPRO COMPANY	TVD Reference:	KB-EST @ 6723.0usft (Original Well Elev)
Project:	COLORADO (MOFFAT COUNTY)	MD Reference:	KB-EST @ 6723.0usft (Original Well Elev)
Site:	SEC. 32 TWP. 12N RGE. 97W 6th.P.M (CA #44 PAD)	North Reference:	True
Well:	CARL ALLEN #51	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPSOSAL #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. 32 TWP. 12N RGE. 97W 6th.P.M (CA #44 PAD)			
Site Position:		Northing:	1,602,437.99usft	Latitude:	40° 57' 11.041 N
From:	Lat/Long	Easting:	2,221,261.19usft	Longitude:	108° 19' 10.420 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	-1.82 °

Well	CARL ALLEN #51					
Well Position	+N/-S	50.6 usft	Northing:	1,602,490.58 usft	Latitude:	40° 57' 11.541 N
	+E/-W	-62.2 usft	Easting:	2,221,200.68 usft	Longitude:	108° 19' 11.230 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	6,699.0 usft

Wellbore	ORIGINAL WELLBORE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	08/09/2011	10.66	66.86	52,960

Design	PROPSOSAL #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	327.11

Plan Sections											
MD (usft)	Inc (°)	Azi (°)	Vertical Depth	SS (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	-6,723.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	-6,123.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,390.8	15.82	327.11	1,380.8	-5,342.2	91.1	-58.9	2.00	2.00	0.00	327.11	
4,483.5	15.82	327.11	4,356.4	-2,366.6	798.9	-516.6	0.00	0.00	0.00	0.00	
4,938.0	9.00	327.11	4,800.0	-1,923.0	880.9	-569.6	1.50	-1.50	0.00	180.00	10ft WITH CARL AI
6,738.0	0.00	0.00	6,592.6	-130.4	999.3	-646.2	0.50	-0.50	0.00	180.00	
9,765.4	0.00	0.00	9,620.0	2,897.0	999.3	-646.2	0.00	0.00	0.00	0.00	

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Well:	CARL ALLEN #51	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)
0.0	0.00	0.00	0.0	6,723.00	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	6,623.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	6,523.00	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	6,423.00	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	6,323.00	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	6,223.00	0.0	0.0	0.0	0.00	0.00	0.00
KOP (2°/100ft BUR)										
600.0	0.00	0.00	600.0	6,123.00	0.0	0.0	0.0	0.00	0.00	0.00
700.0	2.00	327.11	700.0	6,023.02	1.5	-0.9	1.7	2.00	2.00	0.00
800.0	4.00	327.11	799.8	5,923.16	5.9	-3.8	7.0	2.00	2.00	0.00
900.0	6.00	327.11	899.5	5,823.55	13.2	-8.5	15.7	2.00	2.00	0.00
1,000.0	8.00	327.11	998.7	5,724.30	23.4	-15.1	27.9	2.00	2.00	0.00
1,100.0	10.00	327.11	1,097.5	5,625.53	36.5	-23.6	43.5	2.00	2.00	0.00
1,200.0	12.00	327.11	1,195.6	5,527.38	52.6	-34.0	62.6	2.00	2.00	0.00
1,300.0	14.00	327.11	1,293.1	5,429.94	71.5	-46.2	85.1	2.00	2.00	0.00
END OF BUILD TO 15.82° INC										
1,390.8	15.82	327.11	1,380.8	5,342.20	91.1	-58.9	108.5	2.00	2.00	0.00
1,400.0	15.82	327.11	1,389.6	5,333.35	93.2	-60.3	111.0	0.01	0.01	0.00
1,500.0	15.82	327.11	1,485.9	5,237.14	116.1	-75.1	138.2	0.00	0.00	0.00
1,600.0	15.82	327.11	1,582.1	5,140.93	139.0	-89.9	165.5	0.00	0.00	0.00
1,700.0	15.82	327.11	1,678.3	5,044.71	161.8	-104.7	192.7	0.00	0.00	0.00
1,800.0	15.82	327.11	1,774.5	4,948.50	184.7	-119.5	220.0	0.00	0.00	0.00
1,900.0	15.82	327.11	1,870.7	4,852.28	207.6	-134.3	247.2	0.00	0.00	0.00
2,000.0	15.82	327.11	1,966.9	4,756.07	230.5	-149.1	274.5	0.00	0.00	0.00
2,100.0	15.82	327.11	2,063.1	4,659.86	253.4	-163.9	301.8	0.00	0.00	0.00
2,200.0	15.82	327.11	2,159.4	4,563.64	276.3	-178.7	329.0	0.00	0.00	0.00
2,300.0	15.82	327.11	2,255.6	4,467.43	299.2	-193.5	356.3	0.00	0.00	0.00
2,400.0	15.82	327.11	2,351.8	4,371.21	322.0	-208.3	383.5	0.00	0.00	0.00
2,500.0	15.82	327.11	2,448.0	4,275.00	344.9	-223.1	410.8	0.00	0.00	0.00
2,600.0	15.82	327.11	2,544.2	4,178.79	367.8	-237.9	438.0	0.00	0.00	0.00
2,700.0	15.82	327.11	2,640.4	4,082.57	390.7	-252.7	465.3	0.00	0.00	0.00
2,800.0	15.82	327.11	2,736.6	3,986.36	413.6	-267.5	492.5	0.00	0.00	0.00
2,900.0	15.82	327.11	2,832.9	3,890.14	436.5	-282.3	519.8	0.00	0.00	0.00
3,000.0	15.82	327.11	2,929.1	3,793.93	459.4	-297.1	547.1	0.00	0.00	0.00
3,100.0	15.82	327.11	3,025.3	3,697.72	482.3	-311.9	574.3	0.00	0.00	0.00
3,200.0	15.82	327.11	3,121.5	3,601.50	505.1	-326.7	601.6	0.00	0.00	0.00
3,300.0	15.82	327.11	3,217.7	3,505.29	528.0	-341.5	628.8	0.00	0.00	0.00
3,400.0	15.82	327.11	3,313.9	3,409.08	550.9	-356.3	656.1	0.00	0.00	0.00
3,500.0	15.82	327.11	3,410.1	3,312.86	573.8	-371.1	683.3	0.00	0.00	0.00
3,600.0	15.82	327.11	3,506.4	3,216.65	596.7	-385.9	710.6	0.00	0.00	0.00
3,700.0	15.82	327.11	3,602.6	3,120.43	619.6	-400.7	737.8	0.00	0.00	0.00
3,800.0	15.82	327.11	3,698.8	3,024.22	642.5	-415.5	765.1	0.00	0.00	0.00
3,900.0	15.82	327.11	3,795.0	2,928.01	665.4	-430.3	792.4	0.00	0.00	0.00
4,000.0	15.82	327.11	3,891.2	2,831.79	688.2	-445.1	819.6	0.00	0.00	0.00
4,100.0	15.82	327.11	3,987.4	2,735.58	711.1	-459.9	846.9	0.00	0.00	0.00
4,200.0	15.82	327.11	4,083.6	2,639.36	734.0	-474.7	874.1	0.00	0.00	0.00
4,300.0	15.82	327.11	4,179.9	2,543.15	756.9	-489.5	901.4	0.00	0.00	0.00
4,400.0	15.82	327.11	4,276.1	2,446.94	779.8	-504.3	928.6	0.00	0.00	0.00
END OF TANGENT										
4,483.5	15.82	327.11	4,356.4	2,366.60	798.9	-516.6	951.4	0.00	0.00	0.00
4,500.0	15.57	327.11	4,372.3	2,350.71	802.7	-519.1	955.9	1.50	-1.50	0.00
4,600.0	14.07	327.11	4,469.0	2,254.04	824.1	-532.9	981.4	1.50	-1.50	0.00
A-4-G SD										

Planning Report

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Well:	CARL ALLEN #51	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPSOSAL #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)
4,653.6	13.27	327.11	4,521.0	2,202.00	834.8	-539.8	994.1	1.50	-1.50	0.00
4,700.0	12.57	327.11	4,566.3	2,156.73	843.5	-545.5	1,004.5	1.50	-1.50	0.00
4,800.0	11.07	327.11	4,664.1	2,058.86	860.7	-556.6	1,025.0	1.50	-1.50	0.00
4,900.0	9.57	327.11	4,762.5	1,960.48	875.7	-566.3	1,042.9	1.50	-1.50	0.00
END OF DROP TO 9° INC - 10ft WITHIN TGT										
4,938.0	9.00	327.11	4,800.0	1,922.98	880.9	-569.6	1,049.0	1.50	-1.50	0.00
(BIG WATER SD)										
4,989.6	8.74	327.11	4,851.0	1,872.00	887.5	-574.0	1,057.0	0.50	-0.50	0.00
5,000.0	8.69	327.11	4,861.3	1,861.71	888.9	-574.8	1,058.5	0.50	-0.50	0.00
5,100.0	8.19	327.11	4,960.2	1,762.80	901.2	-582.8	1,073.2	0.50	-0.50	0.00
5,200.0	7.69	327.11	5,059.2	1,663.76	912.8	-590.3	1,087.0	0.50	-0.50	0.00
A-4-H SD										
5,283.5	7.27	327.11	5,142.0	1,581.00	921.9	-596.2	1,097.9	0.50	-0.50	0.00
5,300.0	7.19	327.11	5,158.4	1,564.60	923.7	-597.3	1,100.0	0.50	-0.50	0.00
5,400.0	6.69	327.11	5,257.7	1,465.33	933.8	-603.9	1,112.1	0.50	-0.50	0.00
5,500.0	6.19	327.11	5,357.0	1,365.96	943.2	-610.0	1,123.3	0.50	-0.50	0.00
FORT UNION FORMATION										
5,504.0	6.17	327.11	5,361.0	1,362.00	943.6	-610.2	1,123.7	0.50	-0.50	0.00
5,600.0	5.69	327.11	5,456.5	1,266.50	951.9	-615.6	1,133.6	0.50	-0.50	0.00
5,700.0	5.19	327.11	5,556.1	1,166.95	959.9	-620.7	1,143.1	0.50	-0.50	0.00
5,800.0	4.69	327.11	5,655.7	1,067.32	967.1	-625.4	1,151.7	0.50	-0.50	0.00
5,900.0	4.19	327.11	5,755.4	967.62	973.6	-629.6	1,159.5	0.50	-0.50	0.00
6,000.0	3.69	327.11	5,855.1	867.86	979.4	-633.3	1,166.3	0.50	-0.50	0.00
6,100.0	3.19	327.11	5,955.0	768.04	984.4	-636.6	1,172.3	0.50	-0.50	0.00
6,200.0	2.69	327.11	6,054.8	668.17	988.7	-639.4	1,177.5	0.50	-0.50	0.00
6,300.0	2.19	327.11	6,154.7	568.26	992.3	-641.7	1,181.7	0.50	-0.50	0.00
L.F.U. ALLEN 8A										
6,344.3	1.97	327.11	6,199.0	524.00	993.7	-642.6	1,183.3	0.50	-0.50	0.00
L.F.U. ALLEN 8B										
6,386.3	1.76	327.11	6,241.0	482.00	994.8	-643.3	1,184.7	0.50	-0.50	0.00
6,400.0	1.69	327.11	6,254.7	468.32	995.1	-643.5	1,185.1	0.50	-0.50	0.00
L.F.U. ALLEN 8C										
6,432.3	1.53	327.11	6,287.0	436.00	995.9	-644.0	1,186.0	0.50	-0.50	0.00
6,500.0	1.19	327.11	6,354.6	368.35	997.3	-644.9	1,187.6	0.50	-0.50	0.00
L.F.U. ALLEN 8D										
6,506.4	1.16	327.11	6,361.0	362.00	997.4	-645.0	1,187.7	0.50	-0.50	0.00
L.F.U. ALLEN 8E										
6,554.4	0.92	327.11	6,409.0	314.00	998.1	-645.4	1,188.6	0.50	-0.50	0.00
L.F.U. ALLEN 8E1										
6,597.4	0.70	327.11	6,452.0	271.00	998.6	-645.8	1,189.2	0.50	-0.50	0.00
6,600.0	0.69	327.11	6,454.6	268.37	998.6	-645.8	1,189.3	0.50	-0.50	0.00
L.F.U. ALLEN 8F										
6,646.4	0.46	327.11	6,501.0	222.00	999.0	-646.0	1,189.7	0.50	-0.50	0.00
L.F.U. ALLEN 8G										
6,693.4	0.22	327.11	6,548.0	175.00	999.3	-646.2	1,190.0	0.50	-0.50	0.00
6,700.0	0.19	327.11	6,554.6	168.37	999.3	-646.2	1,190.0	0.50	-0.50	0.00
END OF DROP TO VERTICAL										
6,738.0	0.00	0.00	6,592.6	130.37	999.3	-646.2	1,190.1	0.50	-0.50	0.00
L.F.U. ALLEN 8H										
6,770.4	0.00	0.00	6,625.0	98.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
6,800.0	0.00	0.00	6,654.6	68.37	999.3	-646.2	1,190.1	0.00	0.00	0.00

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L.F.U. ALLEN 8I										
6,827.4	0.00	0.00	6,682.0	41.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
6,900.0	0.00	0.00	6,754.6	-31.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 9A										
6,938.4	0.00	0.00	6,793.0	-70.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,854.6	-131.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 9B										
7,001.4	0.00	0.00	6,856.0	-133.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
7,100.0	0.00	0.00	6,954.6	-231.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 9C										
7,129.4	0.00	0.00	6,984.0	-261.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
7,200.0	0.00	0.00	7,054.6	-331.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 11										
7,221.4	0.00	0.00	7,076.0	-353.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
7,300.0	0.00	0.00	7,154.6	-431.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
7,400.0	0.00	0.00	7,254.6	-531.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 11A										
7,413.4	0.00	0.00	7,268.0	-545.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
7,500.0	0.00	0.00	7,354.6	-631.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 11B										
7,540.4	0.00	0.00	7,395.0	-672.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
7,600.0	0.00	0.00	7,454.6	-731.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 11C										
7,620.4	0.00	0.00	7,475.0	-752.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
7,700.0	0.00	0.00	7,554.6	-831.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
7,800.0	0.00	0.00	7,654.6	-931.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
7,900.0	0.00	0.00	7,754.6	-1,031.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U 4600										
7,936.4	0.00	0.00	7,791.0	-1,068.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
8,000.0	0.00	0.00	7,854.6	-1,131.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
8,100.0	0.00	0.00	7,954.6	-1,231.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 10A										
8,118.4	0.00	0.00	7,973.0	-1,250.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
8,200.0	0.00	0.00	8,054.6	-1,331.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 10B										
8,210.4	0.00	0.00	8,065.0	-1,342.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 10C										
8,254.4	0.00	0.00	8,109.0	-1,386.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
8,300.0	0.00	0.00	8,154.6	-1,431.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 6										
8,339.4	0.00	0.00	8,194.0	-1,471.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
8,400.0	0.00	0.00	8,254.6	-1,531.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 6A										
8,407.4	0.00	0.00	8,262.0	-1,539.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 6B										
8,465.4	0.00	0.00	8,320.0	-1,597.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
8,500.0	0.00	0.00	8,354.6	-1,631.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 6C										
8,527.4	0.00	0.00	8,382.0	-1,659.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 6D										
8,599.4	0.00	0.00	8,454.0	-1,731.00	999.3	-646.2	1,190.1	0.00	0.00	0.00

Planning Report

Database:	EDM_5000_1_7	Local Co-ordinate Reference:	Well CARL ALLEN #51
Company:	WEXPRO COMPANY	TVD Reference:	KB-EST @ 6723.0usft (Original Well Elev)
Project:	COLORADO (MOFFAT COUNTY)	MD Reference:	KB-EST @ 6723.0usft (Original Well Elev)
Site:	SEC. 32 TWP. 12N RGE. 97W 6th.P.M (CA #44 PAD)	North Reference:	True
Well:	CARL ALLEN #51	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPSOSAL #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)
8,600.0	0.00	0.00	8,454.6	-1,731.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 6E										
8,648.4	0.00	0.00	8,503.0	-1,780.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
8,700.0	0.00	0.00	8,554.6	-1,831.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
8,800.0	0.00	0.00	8,654.6	-1,931.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 6F										
8,814.4	0.00	0.00	8,669.0	-1,946.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 6G										
8,877.4	0.00	0.00	8,732.0	-2,009.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
8,900.0	0.00	0.00	8,754.6	-2,031.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 6H										
8,964.4	0.00	0.00	8,819.0	-2,096.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
9,000.0	0.00	0.00	8,854.6	-2,131.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 6I										
9,049.4	0.00	0.00	8,904.0	-2,181.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 6J										
9,084.4	0.00	0.00	8,939.0	-2,216.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
9,100.0	0.00	0.00	8,954.6	-2,231.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
L.F.U. ALLEN 6K										
9,118.4	0.00	0.00	8,973.0	-2,250.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
9,200.0	0.00	0.00	9,054.6	-2,331.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
9,300.0	0.00	0.00	9,154.6	-2,431.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
9,400.0	0.00	0.00	9,254.6	-2,531.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
LNCE										
9,415.4	0.00	0.00	9,270.0	-2,547.00	999.3	-646.2	1,190.1	0.00	0.00	0.00
9,500.0	0.00	0.00	9,354.6	-2,631.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
9,600.0	0.00	0.00	9,454.6	-2,731.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
9,700.0	0.00	0.00	9,554.6	-2,831.63	999.3	-646.2	1,190.1	0.00	0.00	0.00
9,765.4	0.00	0.00	9,620.0	-2,897.00	999.3	-646.2	1,190.1	0.00	0.00	0.00

Planning Report

Database:	EDM_5000_1_7	Local Co-ordinate Reference:	Well CARL ALLEN #51
Company:	WEXPRO COMPANY	TVD Reference:	KB-EST @ 6723.0usft (Original Well Elev)
Project:	COLORADO (MOFFAT COUNTY)	MD Reference:	KB-EST @ 6723.0usft (Original Well Elev)
Site:	SEC. 32 TWP. 12N RGE. 97W 6th.P.M (CA #44 PAD)	North Reference:	True
Well:	CARL ALLEN #51	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPSOSAL #1		

Formations

MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,653.6	4,521.0	A-4-G SD			
4,989.6	4,851.0	(BIG WATER SD)			
5,283.5	5,142.0	A-4-H SD			
5,504.0	5,361.0	FORT UNION FORMATION			
6,344.3	6,199.0	L.F.U. ALLEN 8A			
6,386.3	6,241.0	L.F.U. ALLEN 8B			
6,432.3	6,287.0	L.F.U. ALLEN 8C			
6,506.4	6,361.0	L.F.U. ALLEN 8D			
6,554.4	6,409.0	L.F.U. ALLEN 8E			
6,597.4	6,452.0	L.F.U. ALLEN 8E1			
6,646.4	6,501.0	L.F.U. ALLEN 8F			
6,693.4	6,548.0	L.F.U. ALLEN 8G			
6,770.4	6,625.0	L.F.U. ALLEN 8H			
6,827.4	6,682.0	L.F.U. ALLEN 8I			
6,938.4	6,793.0	L.F.U. ALLEN 9A			
7,001.4	6,856.0	L.F.U. ALLEN 9B			
7,129.4	6,984.0	L.F.U. ALLEN 9C			
7,221.4	7,076.0	L.F.U. ALLEN 11			
7,413.4	7,268.0	L.F.U. ALLEN 11A			
7,540.4	7,395.0	L.F.U. ALLEN 11B			
7,620.4	7,475.0	L.F.U. ALLEN 11C			
7,936.4	7,791.0	L.F.U 4600			
8,118.4	7,973.0	L.F.U. ALLEN 10A			
8,210.4	8,065.0	L.F.U. ALLEN 10B			
8,254.4	8,109.0	L.F.U. ALLEN 10C			
8,339.4	8,194.0	L.F.U. ALLEN 6			
8,407.4	8,262.0	L.F.U. ALLEN 6A			
8,465.4	8,320.0	L.F.U. ALLEN 6B			
8,527.4	8,382.0	L.F.U. ALLEN 6C			
8,599.4	8,454.0	L.F.U. ALLEN 6D			
8,648.4	8,503.0	L.F.U. ALLEN 6E			
8,814.4	8,669.0	L.F.U. ALLEN 6F			
8,877.4	8,732.0	L.F.U. ALLEN 6G			
8,964.4	8,819.0	L.F.U. ALLEN 6H			
9,049.4	8,904.0	L.F.U. ALLEN 6I			
9,084.4	8,939.0	L.F.U. ALLEN 6J			
9,118.4	8,973.0	L.F.U. ALLEN 6K			
9,415.4	9,270.0	LNCE			

Planning Report

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Project:	COLORADO (MOFFAT COUNTY)	MD Reference:	KB-EST @ 6723.0usft (Original Well Elev)
Site:	SEC. 32 TWP. 12N RGE. 97W 6th.P.M (CA #44 PAD)	North Reference:	True
Well:	CARL ALLEN #51	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPSOSAL #1		

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)
1,390.8	1,380.8	91.1	-58.9	END OF BUILD TO 15.82° INC
4,483.5	4,356.4	798.9	-516.6	END OF TANGENT
4,938.0	4,800.0	880.9	-569.6	END OF DROP TO 9° INC - 10ft WITHIN TGT
6,738.0	6,592.6	999.3	-646.2	END OF DROP TO VERTICAL
9,765.4	9,620.0	999.3	-646.2	PROPOSED TD - CARL ALLEN #51