



WEXPRO COMPANY

COLORADO (MOFFAT COUNTY)

SEC. 28 T12N R97W 6th P.M.

ACE #17

ORIGINAL WELLBORE

12 August, 2011

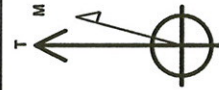
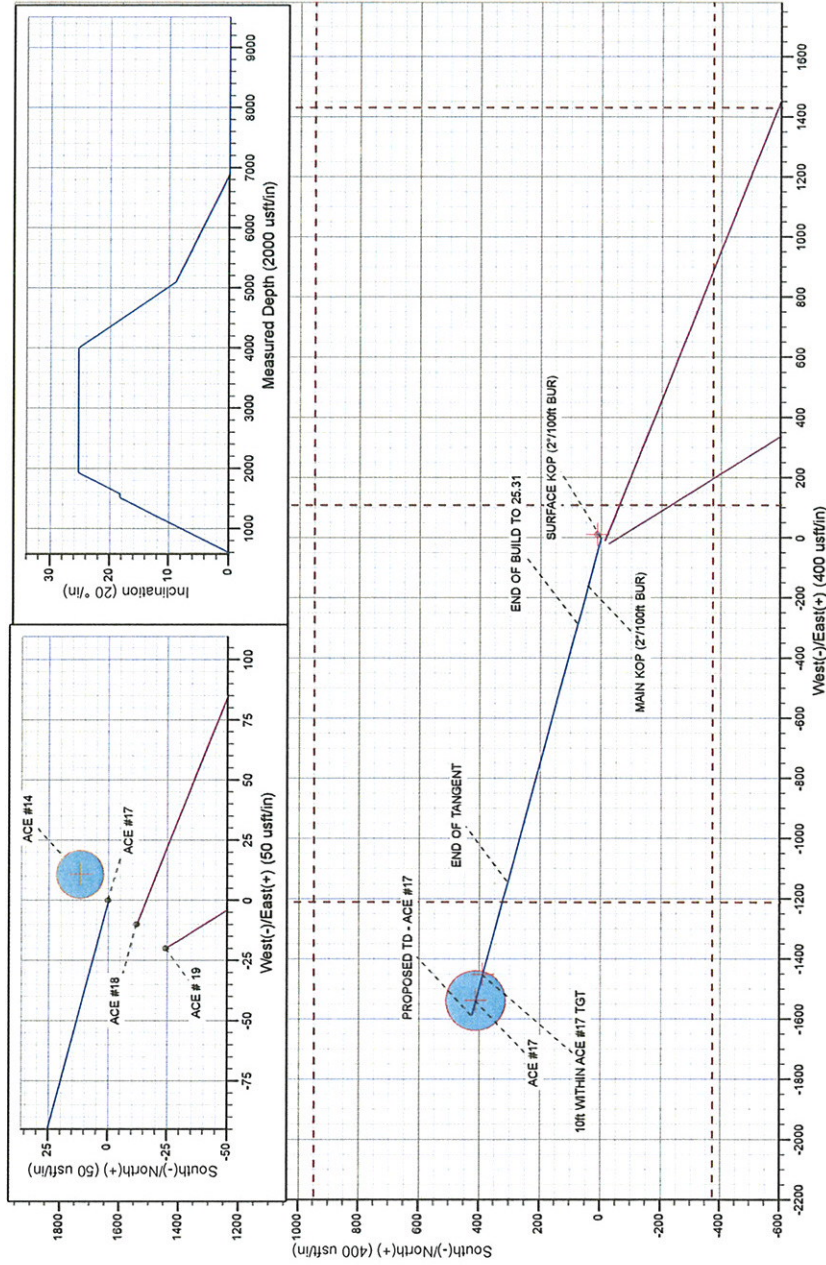
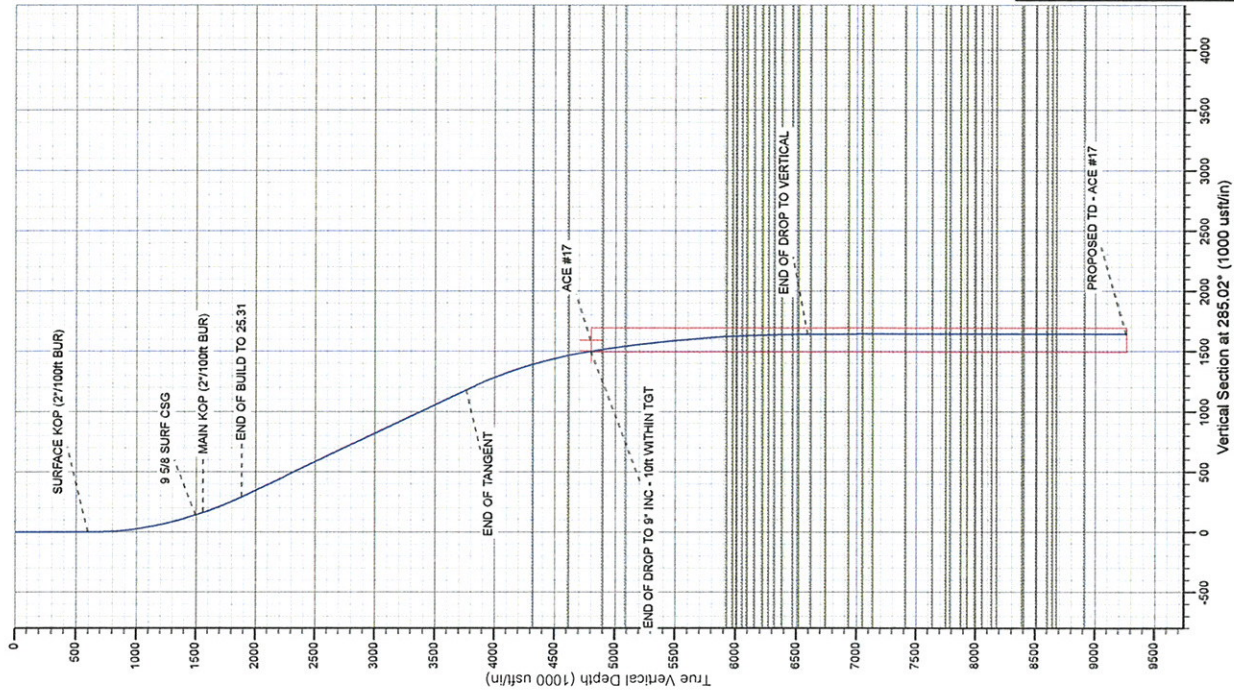
Plan: PROPOSAL #1



Project: COLORADO (MOFFAT COUNTY)
Site: SEC. 28 T12N R97W 6th P.M.

Well: ACE #17

Wellbore: ORIGINAL WELLBORE
Design: PROPOSAL #1



Azimuths to True North
Magnetic North: 10.66°
Magnetic Field
Strength: 52981.4nT
Dip Angle: 66.88°
Date: 12/08/2011
Model: IGRF2010

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Annotation
1500.0	600.0	0.00	0.00	0.0	0.0	0.0	SURFACE KOP (27100ft BUR)
1561.7	1515.5	18.31	285.02	37.6	-140.1	145.0	9 5/8 SURF CSG
1886.4	1580.5	18.31	285.02	42.9	-159.8	165.5	MAIN KOP (27100ft BUR)
3764.6	1930.5	25.31	285.02	76.6	-285.3	295.4	END OF BUILD TO 25.31
4800.0	4008.1	25.31	285.02	308.7	-1143.1	1183.6	END OF TANGENT
6592.6	5095.3	9.00	285.02	389.6	-1451.8	1503.2	EOD TO 9' INC - 10ft WITHIN TGT
9262.0	6954.7	0.00	0.00	426.1	-1588.1	1544.3	END OF DROP TO VERTICAL
				426.1	-1588.1	1544.3	PROPOSED TD - ACE #17

Planning Report

Database:	EDM_5000_1_7	Local Co-ordinate Reference:	Well ACE #17
Company:	WEXPRO COMPANY	TVD Reference:	KB-EST @ 6537.0usft (Original Well Elev)
Project:	COLORADO (MOFFAT COUNTY)	MD Reference:	KB-EST @ 6537.0usft (Original Well Elev)
Site:	SEC. 28 T12N R97W 6th P.M.	North Reference:	True
Well:	ACE #17	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. 28 T12N R97W 6th P.M.		
Site Position:		Northing:	1,607,858.94 usft
From:	Lat/Long	Easting:	2,230,302.45 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	40° 58' 7.399 N
		Longitude:	108° 17' 14.870 W
		Grid Convergence:	-1.80 °

Well	ACE #17		
Well Position	+N/-S	-12.0 usft	Northing:
	+E/-W	-10.8 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Ground Level:	6,509.0 usft

Wellbore	ORIGINAL WELLBORE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/08/2011	10.66	66.88	52,981

Design	PROPOSAL #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	4,800.0	0.0	0.0	285.02

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	-6,537.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	-5,937.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,515.5	18.31	285.02	1,500.0	-5,037.0	37.6	-140.1	2.00	2.00	0.00	285.02	
1,580.5	18.31	285.02	1,561.7	-4,975.3	42.9	-159.8	0.00	0.00	0.00	0.00	
1,930.5	25.31	285.02	1,886.4	-4,650.6	76.6	-285.3	2.00	2.00	0.00	0.00	
4,008.1	25.31	285.02	3,764.6	-2,772.4	306.7	-1,143.1	0.00	0.00	0.00	0.00	
5,095.3	9.00	285.02	4,800.0	-1,737.0	389.6	-1,451.8	1.50	-1.50	0.00	180.00	10ft WITHIN ACE #
6,895.3	0.00	0.00	6,592.6	55.6	426.1	-1,588.1	0.50	-0.50	0.00	180.00	
9,564.7	0.00	0.00	9,262.0	2,725.0	426.1	-1,588.1	0.00	0.00	0.00	0.00	

Planning Report

Database:	EDM_5000_1_7	Local Co-ordinate Reference:	Well ACE #17
Company:	WEXPRO COMPANY	TVD Reference:	KB-EST @ 6537.0usft (Original Well Elev)
Project:	COLORADO (MOFFAT COUNTY)	MD Reference:	KB-EST @ 6537.0usft (Original Well Elev)
Site:	SEC. 28 T12N R97W 6th P.M.	North Reference:	True
Well:	ACE #17	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	6,537.00	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	6,437.00	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	6,337.00	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	6,237.00	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	6,137.00	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	6,037.00	0.0	0.0	0.0	0.00	0.00	0.00
SURFACE KOP (2°/100ft BUR)										
600.0	0.00	0.00	600.0	5,937.00	0.0	0.0	0.0	0.00	0.00	0.00
700.0	2.00	285.02	700.0	5,837.02	0.5	-1.7	1.7	2.00	2.00	0.00
800.0	4.00	285.02	799.8	5,737.16	1.8	-6.7	7.0	2.00	2.00	0.00
900.0	6.00	285.02	899.5	5,637.55	4.1	-15.2	15.7	2.00	2.00	0.00
1,000.0	8.00	285.02	998.7	5,538.30	7.2	-26.9	27.9	2.00	2.00	0.00
1,100.0	10.00	285.02	1,097.5	5,439.53	11.3	-42.0	43.5	2.00	2.00	0.00
1,200.0	12.00	285.02	1,195.6	5,341.38	16.2	-60.5	62.6	2.00	2.00	0.00
1,300.0	14.00	285.02	1,293.1	5,243.94	22.1	-82.2	85.1	2.00	2.00	0.00
1,400.0	16.00	285.02	1,389.6	5,147.36	28.8	-107.2	111.0	2.00	2.00	0.00
1,500.0	18.00	285.02	1,485.3	5,051.73	36.3	-135.4	140.2	2.00	2.00	0.00
9 5/8 SURF CSG										
1,515.5	18.31	285.02	1,500.0	5,037.00	37.6	-140.1	145.0	2.00	2.00	0.00
MAIN KOP (2°/100ft BUR)										
1,580.5	18.31	285.02	1,561.7	4,975.29	42.9	-159.8	165.5	0.00	0.00	0.00
1,600.0	18.70	285.02	1,580.2	4,956.80	44.5	-165.8	171.7	2.00	2.00	0.00
1,700.0	20.70	285.02	1,674.3	4,862.66	53.2	-198.3	205.4	2.00	2.00	0.00
1,800.0	22.70	285.02	1,767.2	4,769.75	62.8	-234.1	242.3	2.00	2.00	0.00
1,900.0	24.70	285.02	1,858.8	4,678.19	73.2	-272.9	282.5	2.00	2.00	0.00
END OF BUILD TO 25.31										
1,930.5	25.31	285.02	1,886.4	4,650.58	76.6	-285.3	295.4	2.00	2.00	0.00
2,000.0	25.31	285.02	1,949.3	4,587.72	84.3	-314.0	325.1	0.00	0.00	0.00
2,100.0	25.31	285.02	2,039.7	4,497.32	95.3	-355.3	367.9	0.00	0.00	0.00
2,200.0	25.31	285.02	2,130.1	4,406.92	106.4	-396.6	410.6	0.00	0.00	0.00
2,300.0	25.31	285.02	2,220.5	4,316.52	117.5	-437.9	453.4	0.00	0.00	0.00
2,400.0	25.31	285.02	2,310.9	4,226.11	128.6	-479.2	496.1	0.00	0.00	0.00
2,500.0	25.31	285.02	2,401.3	4,135.71	139.7	-520.5	538.9	0.00	0.00	0.00
2,600.0	25.31	285.02	2,491.7	4,045.31	150.7	-561.8	581.6	0.00	0.00	0.00
2,700.0	25.31	285.02	2,582.1	3,954.91	161.8	-603.1	624.4	0.00	0.00	0.00
2,800.0	25.31	285.02	2,672.5	3,864.51	172.9	-644.3	667.1	0.00	0.00	0.00
2,900.0	25.31	285.02	2,762.9	3,774.11	184.0	-685.6	709.9	0.00	0.00	0.00
3,000.0	25.31	285.02	2,853.3	3,683.71	195.0	-726.9	752.6	0.00	0.00	0.00
3,100.0	25.31	285.02	2,943.7	3,593.31	206.1	-768.2	795.4	0.00	0.00	0.00
3,200.0	25.31	285.02	3,034.1	3,502.90	217.2	-809.5	838.1	0.00	0.00	0.00
3,300.0	25.31	285.02	3,124.5	3,412.50	228.3	-850.8	880.9	0.00	0.00	0.00
3,400.0	25.31	285.02	3,214.9	3,322.10	239.4	-892.1	923.6	0.00	0.00	0.00
3,500.0	25.31	285.02	3,305.3	3,231.70	250.4	-933.4	966.4	0.00	0.00	0.00
3,600.0	25.31	285.02	3,395.7	3,141.30	261.5	-974.7	1,009.1	0.00	0.00	0.00
3,700.0	25.31	285.02	3,486.1	3,050.90	272.6	-1,016.0	1,051.9	0.00	0.00	0.00
3,800.0	25.31	285.02	3,576.5	2,960.50	283.7	-1,057.2	1,094.6	0.00	0.00	0.00
3,900.0	25.31	285.02	3,666.9	2,870.10	294.8	-1,098.5	1,137.4	0.00	0.00	0.00
4,000.0	25.31	285.02	3,757.3	2,779.69	305.8	-1,139.8	1,180.1	0.00	0.00	0.00
END OF TANGENT										
4,008.1	25.31	285.02	3,764.6	2,772.42	306.7	-1,143.1	1,183.6	0.00	0.00	0.00
4,100.0	23.93	285.02	3,848.2	2,688.83	316.7	-1,180.1	1,221.9	1.50	-1.50	0.00
4,200.0	22.43	285.02	3,940.1	2,596.90	326.9	-1,218.2	1,261.2	1.50	-1.50	0.00
4,300.0	20.93	285.02	4,033.0	2,503.98	336.4	-1,253.8	1,298.2	1.50	-1.50	0.00
4,400.0	19.43	285.02	4,126.9	2,410.12	345.4	-1,287.2	1,332.7	1.50	-1.50	0.00

Planning Report

Database:	EDM_5000_1_7	Local Co-ordinate Reference:	Well ACE #17
Company:	WEXPRO COMPANY	TVD Reference:	KB-EST @ 6537.0usft (Original Well Elev)
Project:	COLORADO (MOFFAT COUNTY)	MD Reference:	KB-EST @ 6537.0usft (Original Well Elev)
Site:	SEC. 28 T12N R97W 6th P.M.	North Reference:	True
Well:	ACE #17	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)
4,500.0	17.93	285.02	4,221.6	2,315.39	353.7	-1,318.1	1,364.7	1.50	-1.50	0.00
4,600.0	16.43	285.02	4,317.1	2,219.86	361.3	-1,346.6	1,394.3	1.50	-1.50	0.00
A-4-G SD										
4,604.0	16.37	285.02	4,321.0	2,216.00	361.6	-1,347.7	1,395.4	1.50	-1.50	0.00
4,700.0	14.93	285.02	4,413.4	2,123.58	368.3	-1,372.7	1,421.3	1.50	-1.50	0.00
4,800.0	13.43	285.02	4,510.4	2,026.63	374.7	-1,396.4	1,445.8	1.50	-1.50	0.00
4,900.0	11.93	285.02	4,607.9	1,929.07	380.4	-1,417.6	1,467.7	1.50	-1.50	0.00
(BIG WATER SD)										
4,910.3	11.78	285.02	4,618.0	1,919.00	380.9	-1,419.6	1,469.8	1.50	-1.50	0.00
5,000.0	10.43	285.02	4,706.0	1,830.97	385.4	-1,436.3	1,487.1	1.50	-1.50	0.00
END OF DROP TO 9° INC - 10ft WITHIN TGT										
5,095.3	9.00	285.02	4,800.0	1,737.00	389.6	-1,451.8	1,503.2	1.50	-1.50	0.00
5,100.0	8.98	285.02	4,804.6	1,732.40	389.8	-1,452.5	1,503.9	0.50	-0.50	0.00
A-4-H SD										
5,192.5	8.51	285.02	4,896.0	1,641.00	393.4	-1,466.1	1,518.0	0.50	-0.50	0.00
5,200.0	8.48	285.02	4,903.4	1,633.56	393.7	-1,467.2	1,519.1	0.50	-0.50	0.00
5,300.0	7.98	285.02	5,002.4	1,534.59	397.4	-1,481.0	1,533.4	0.50	-0.50	0.00
FORT UNION FORMATION										
5,386.4	7.54	285.02	5,088.0	1,449.00	400.4	-1,492.3	1,545.1	0.50	-0.50	0.00
5,400.0	7.48	285.02	5,101.5	1,435.50	400.9	-1,494.0	1,546.9	0.50	-0.50	0.00
5,500.0	6.98	285.02	5,200.7	1,336.29	404.1	-1,506.2	1,559.4	0.50	-0.50	0.00
5,600.0	6.48	285.02	5,300.0	1,236.98	407.2	-1,517.5	1,571.1	0.50	-0.50	0.00
5,700.0	5.98	285.02	5,399.4	1,137.57	410.0	-1,527.9	1,582.0	0.50	-0.50	0.00
5,800.0	5.48	285.02	5,498.9	1,038.07	412.6	-1,537.6	1,592.0	0.50	-0.50	0.00
5,900.0	4.98	285.02	5,598.5	938.48	414.9	-1,546.4	1,601.1	0.50	-0.50	0.00
6,000.0	4.48	285.02	5,698.2	838.83	417.1	-1,554.3	1,609.3	0.50	-0.50	0.00
6,100.0	3.98	285.02	5,797.9	739.10	419.0	-1,561.5	1,616.7	0.50	-0.50	0.00
6,200.0	3.48	285.02	5,897.7	639.31	420.7	-1,567.7	1,623.2	0.50	-0.50	0.00
L.F.U. ALLEN 8A										
6,225.4	3.35	285.02	5,923.0	614.00	421.1	-1,569.2	1,624.7	0.50	-0.50	0.00
L.F.U. ALLEN 8B										
6,275.4	3.10	285.02	5,973.0	564.00	421.8	-1,571.9	1,627.5	0.50	-0.50	0.00
6,300.0	2.98	285.02	5,997.5	539.47	422.1	-1,573.2	1,628.8	0.50	-0.50	0.00
L.F.U. ALLEN 8C										
6,312.5	2.91	285.02	6,010.0	527.00	422.3	-1,573.8	1,629.5	0.50	-0.50	0.00
L.F.U. ALLEN 8D										
6,357.5	2.69	285.02	6,055.0	482.00	422.9	-1,575.9	1,631.7	0.50	-0.50	0.00
L.F.U. ALLEN 8E										
6,393.6	2.51	285.02	6,091.0	446.00	423.3	-1,577.5	1,633.3	0.50	-0.50	0.00
6,400.0	2.48	285.02	6,097.4	439.58	423.4	-1,577.8	1,633.6	0.50	-0.50	0.00
L.F.U. ALLEN 8E1										
6,453.6	2.21	285.02	6,151.0	386.00	423.9	-1,579.9	1,635.8	0.50	-0.50	0.00
6,500.0	1.98	285.02	6,197.3	339.66	424.4	-1,581.5	1,637.5	0.50	-0.50	0.00
L.F.U. ALLEN 8F										
6,519.7	1.88	285.02	6,217.0	320.00	424.5	-1,582.2	1,638.1	0.50	-0.50	0.00
L.F.U. ALLEN 8G										
6,571.7	1.62	285.02	6,269.0	268.00	424.9	-1,583.7	1,639.7	0.50	-0.50	0.00
6,600.0	1.48	285.02	6,297.3	239.70	425.1	-1,584.4	1,640.5	0.50	-0.50	0.00
L.F.U. ALLEN 8H										
6,621.7	1.37	285.02	6,319.0	218.00	425.3	-1,584.9	1,641.0	0.50	-0.50	0.00
L.F.U. ALLEN 8I										
6,683.7	1.06	285.02	6,381.0	156.00	425.6	-1,586.2	1,642.3	0.50	-0.50	0.00

Planning Report

Database: EDM_5000_1_7
 Company: WEXPRO COMPANY
 Project: COLORADO (MOFFAT COUNTY)
 Site: SEC. 28 T12N R97W 6th P.M.
 Well: ACE #17
 Wellbore: ORIGINAL WELLBORE
 Design: PROPOSAL #1

Local Co-ordinate Reference: Well ACE #17
 TVD Reference: KB-EST @ 6537.0usft (Original Well Elev)
 MD Reference: KB-EST @ 6537.0usft (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)
6,700.0	0.98	285.02	6,397.3	139.73	425.7	-1,586.5	1,642.6	0.50	-0.50	0.00
L.F.U. ALLEN 9A										
6,769.7	0.63	285.02	6,467.0	70.00	425.9	-1,587.4	1,643.6	0.50	-0.50	0.00
6,800.0	0.48	285.02	6,497.3	39.73	426.0	-1,587.7	1,643.9	0.50	-0.50	0.00
L.F.U. ALLEN 9B										
6,817.7	0.39	285.02	6,515.0	22.00	426.1	-1,587.9	1,644.0	0.50	-0.50	0.00
END OF DROP TO VERTICAL										
6,895.3	0.00	0.00	6,592.6	-55.61	426.1	-1,588.1	1,644.3	0.50	-0.50	0.00
6,900.0	0.00	0.00	6,597.3	-60.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 9C										
6,921.7	0.00	0.00	6,619.0	-82.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
7,000.0	0.00	0.00	6,697.3	-160.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 11										
7,040.7	0.00	0.00	6,738.0	-201.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
7,100.0	0.00	0.00	6,797.3	-260.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
7,200.0	0.00	0.00	6,897.3	-360.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 11A										
7,233.7	0.00	0.00	6,931.0	-394.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
7,300.0	0.00	0.00	6,997.3	-460.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 11B										
7,348.7	0.00	0.00	7,046.0	-509.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
7,400.0	0.00	0.00	7,097.3	-560.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 11C										
7,433.7	0.00	0.00	7,131.0	-594.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
7,500.0	0.00	0.00	7,197.3	-660.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
7,600.0	0.00	0.00	7,297.3	-760.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
7,700.0	0.00	0.00	7,397.3	-860.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. 4600										
7,713.7	0.00	0.00	7,411.0	-874.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
7,800.0	0.00	0.00	7,497.3	-960.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
7,900.0	0.00	0.00	7,597.3	-1,060.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 10A										
7,939.7	0.00	0.00	7,637.0	-1,100.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
8,000.0	0.00	0.00	7,697.3	-1,160.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 10B										
8,050.7	0.00	0.00	7,748.0	-1,211.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 10C										
8,088.7	0.00	0.00	7,786.0	-1,249.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
8,100.0	0.00	0.00	7,797.3	-1,260.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 6										
8,178.7	0.00	0.00	7,876.0	-1,339.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
8,200.0	0.00	0.00	7,897.3	-1,360.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 6A										
8,231.7	0.00	0.00	7,929.0	-1,392.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 6B										
8,296.7	0.00	0.00	7,994.0	-1,457.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
8,300.0	0.00	0.00	7,997.3	-1,460.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 6C										
8,356.7	0.00	0.00	8,054.0	-1,517.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
8,400.0	0.00	0.00	8,097.3	-1,560.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 6D										
8,436.7	0.00	0.00	8,134.0	-1,597.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00

Planning Report

Database:	EDM_5000_1_7	Local Co-ordinate Reference:	Well ACE #17
Company:	WEXPRO COMPANY	TVD Reference:	KB-EST @ 6537.0usft (Original Well Elev)
Project:	COLORADO (MOFFAT COUNTY)	MD Reference:	KB-EST @ 6537.0usft (Original Well Elev)
Site:	SEC. 28 T12N R97W 6th P.M.	North Reference:	True
Well:	ACE #17	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)
L.F.U. ALLEN 6E										
8,478.7	0.00	0.00	8,176.0	-1,639.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
8,500.0	0.00	0.00	8,197.3	-1,660.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
8,600.0	0.00	0.00	8,297.3	-1,760.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 6F										
8,688.7	0.00	0.00	8,386.0	-1,849.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
8,700.0	0.00	0.00	8,397.3	-1,860.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 6G										
8,705.7	0.00	0.00	8,403.0	-1,866.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
8,800.0	0.00	0.00	8,497.3	-1,960.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 6H										
8,813.7	0.00	0.00	8,511.0	-1,974.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
8,900.0	0.00	0.00	8,597.3	-2,060.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 6I										
8,902.7	0.00	0.00	8,600.0	-2,063.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 6J										
8,943.7	0.00	0.00	8,641.0	-2,104.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
L.F.U. ALLEN 6K										
8,977.7	0.00	0.00	8,675.0	-2,138.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
9,000.0	0.00	0.00	8,697.3	-2,160.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
9,100.0	0.00	0.00	8,797.3	-2,260.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
9,200.0	0.00	0.00	8,897.3	-2,360.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
LNCE										
9,214.7	0.00	0.00	8,912.0	-2,375.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
9,300.0	0.00	0.00	8,997.3	-2,460.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
9,400.0	0.00	0.00	9,097.3	-2,560.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
9,500.0	0.00	0.00	9,197.3	-2,660.26	426.1	-1,588.1	1,644.3	0.00	0.00	0.00
PROPOSED TD - ACE #17										
9,564.7	0.00	0.00	9,262.0	-2,725.00	426.1	-1,588.1	1,644.3	0.00	0.00	0.00

Planning Report

Database:	EDM_5000_1_7	Local Co-ordinate Reference:	Well ACE #17
Company:	WEXPRO COMPANY	TVD Reference:	KB-EST @ 6537.0usft (Original Well Elev)
Project:	COLORADO (MOFFAT COUNTY)	MD Reference:	KB-EST @ 6537.0usft (Original Well Elev)
Site:	SEC. 28 T12N R97W 6th P.M.	North Reference:	True
Well:	ACE #17	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Formations

MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,604.0	4,321.0	A-4-G SD			
4,910.3	4,618.0	(BIG WATER SD)			
5,192.5	4,896.0	A-4-H SD			
5,386.4	5,088.0	FORT UNION FORMATION			
6,225.4	5,923.0	L.F.U. ALLEN 8A			
6,275.4	5,973.0	L.F.U. ALLEN 8B			
6,312.5	6,010.0	L.F.U. ALLEN 8C			
6,357.5	6,055.0	L.F.U. ALLEN 8D			
6,393.6	6,091.0	L.F.U. ALLEN 8E			
6,453.6	6,151.0	L.F.U. ALLEN 8E1			
6,519.7	6,217.0	L.F.U. ALLEN 8F			
6,571.7	6,269.0	L.F.U. ALLEN 8G			
6,621.7	6,319.0	L.F.U. ALLEN 8H			
6,683.7	6,381.0	L.F.U. ALLEN 8I			
6,769.7	6,467.0	L.F.U. ALLEN 9A			
6,817.7	6,515.0	L.F.U. ALLEN 9B			
6,921.7	6,619.0	L.F.U. ALLEN 9C			
7,040.7	6,738.0	L.F.U. ALLEN 11			
7,233.7	6,931.0	L.F.U. ALLEN 11A			
7,348.7	7,046.0	L.F.U. ALLEN 11B			
7,433.7	7,131.0	L.F.U. ALLEN 11C			
7,713.7	7,411.0	L.F.U. 4600			
7,939.7	7,637.0	L.F.U. ALLEN 10A			
8,050.7	7,748.0	L.F.U. ALLEN 10B			
8,088.7	7,786.0	L.F.U. ALLEN 10C			
8,178.7	7,876.0	L.F.U. ALLEN 6			
8,231.7	7,929.0	L.F.U. ALLEN 6A			
8,296.7	7,994.0	L.F.U. ALLEN 6B			
8,356.7	8,054.0	L.F.U. ALLEN 6C			
8,436.7	8,134.0	L.F.U. ALLEN 6D			
8,478.7	8,176.0	L.F.U. ALLEN 6E			
8,688.7	8,386.0	L.F.U. ALLEN 6F			
8,705.7	8,403.0	L.F.U. ALLEN 6G			
8,813.7	8,511.0	L.F.U. ALLEN 6H			
8,902.7	8,600.0	L.F.U. ALLEN 6I			
8,943.7	8,641.0	L.F.U. ALLEN 6J			
8,977.7	8,675.0	L.F.U. ALLEN 6K			
9,214.7	8,912.0	LNCE			

Planning Report

Database:	EDM_5000_1_7	Local Co-ordinate Reference:	Well ACE #17
Company:	WEXPRO COMPANY	TVD Reference:	KB-EST @ 6537.0usft (Original Well Elev)
Project:	COLORADO (MOFFAT COUNTY)	MD Reference:	KB-EST @ 6537.0usft (Original Well Elev)
Site:	SEC. 28 T12N R97W 6th P.M.	North Reference:	True
Well:	ACE #17	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #1		

Plan Annotations

MD (usft)	TVD (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
600.0	600.0	0.0	0.0	SURFACE KOP (2°/100ft BUR)
1,515.5	1,500.0	37.6	-140.1	9 5/8 SURF CSG
1,580.5	1,561.7	42.9	-159.8	MAIN KOP (2°/100ft BUR)
1,930.5	1,886.4	76.6	-285.3	END OF BUILD TO 25.31
4,008.1	3,764.6	306.7	-1,143.1	END OF TANGENT
5,095.3	4,800.0	389.6	-1,451.8	END OF DROP TO 9° INC - 10ft WITHIN TGT
6,895.3	6,592.6	426.1	-1,588.1	END OF DROP TO VERTICAL
9,564.7	9,262.0	426.1	-1,588.1	PROPOSED TD - ACE #17