

VERDAD RESOURCES

WATTENBERG FIELD

1N-65W-22 FAWN 2734 & 2833 PAD

FAWN 2734-14H

Plan A

Plan: Design #1

Standard Planning Report

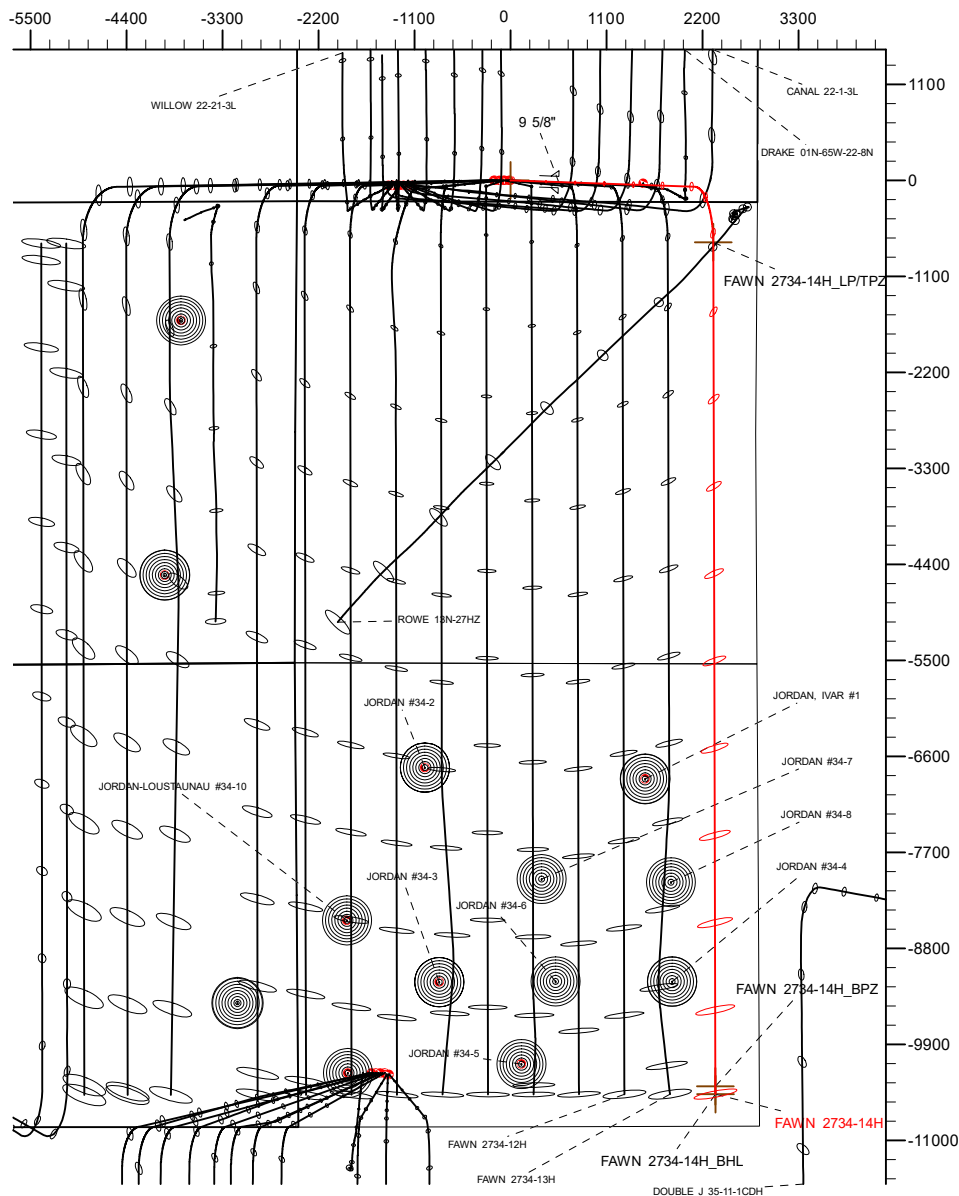
30 July, 2022

VERDAD RESOURCES

CASING DETAILS			
TVD	MD	Name	Size
2250.00	2335.20	9 5/8"	9-5/8

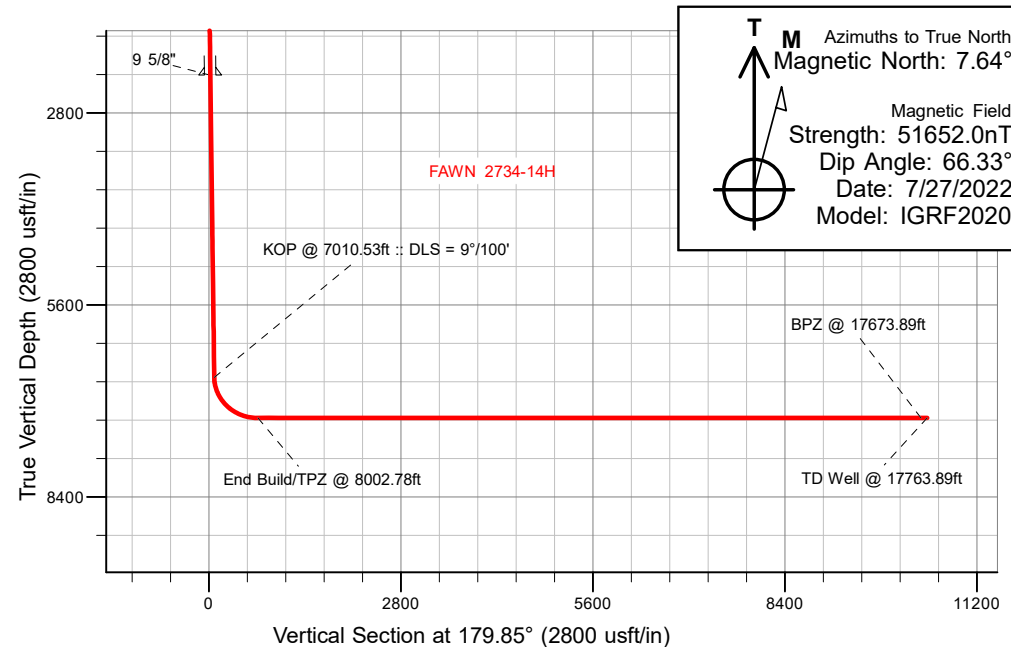
SHL	LP/TPZ	BPZ	BHL
244' FSL	460' FNL	460' FSL	370' FSL
2446' FWL	503' FEL	503' FEL	503' FEL

West(-)/East(+) (2200 usft/in)



SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
201.00	0.00	0.00	201.00	0.00	0.00	0.00	0.00	0.00	
1176.00	19.50	91.94	1157.29	-5.56	164.23	2.00	91.94	5.99	
7010.53	19.50	91.94	6657.16	-71.49	2110.72	0.00	0.00	77.02	
8002.78	90.00	179.85	7250.00	-707.52	2322.18	9.00	88.03	713.59	
17763.89	90.00	179.85	7250.00	-10468.59	2347.71	0.00	0.00	10474.70	FAWN 2734-14H_BHL

WELLBORE TARGET DETAILS (LAT/LONG)					
Name	TVD	Northing	Easting	Latitude	Longitude
FAWN 2734-14H_SHL	0.00	1255031.55	3237781.90	40.030324	-104.650854
FAWN 2734-14H_LP/TPZ	7250.00	1254346.31	3240110.64	40.028381	-104.642562
FAWN 2734-14H_BPZ	7250.00	1244675.91	3240228.65	40.001832	-104.642474
FAWN 2734-14H_BHL	7250.00	1244585.92	3240229.75	40.001585	-104.642474



WELL DETAILS: FAWN 2734-14H
GL = 5107'
RKB = 20' @ 5127.00usft (RIG)
Plan: Design #1 (FAWN 2734-14H/Plan A)
Date: 7/30/2022

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well FAWN 2734-14H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 5127.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 5127.00usft (RIG)
Site:	1N-65W-22 FAWN 2734 & 2833 PAD	North Reference:	True
Well:	FAWN 2734-14H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Design #1		

Project	WATTENBERG FIELD		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		1N-65W-22 FAWN 2734 & 2833 PAD				
Site Position:		Northing:	1,255,173.64	usft	Latitude:	40.030719
From:	Lat/Long	Easting:	3,237,589.54	usft	Longitude:	-104.651536
Position Uncertainty:		0.00	usft	Slot Radius:	13-3/16	"

Well		FAWN 2734-14H				
Well Position	+N/-S	0.00 usft	Northing:	1,255,031.55 usft	Latitude:	40.030324
	+E/-W	0.00 usft	Easting:	3,237,781.90 usft	Longitude:	-104.650854
Position Uncertainty		3.28 usft	Wellhead Elevation:	usft	Ground Level:	5,107.00 usft
Grid Convergence:		0.55 °				

Wellbore	Plan A				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF202013	7/27/2022	7.64	66.33	51,651.98024558

Design	Design #1				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	179.85	

Plan Survey Tool Program	Date	7/30/2022			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.00	2,250.00	Design #1 (Plan A)	ISCWSA MWD	
				Fixed:v2:standard declination	
2	2,250.00	17,763.89	Design #1 (Plan A)	ISCWSA MWD	
				Fixed:v2:standard declination	

Planning Report

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Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 5127.00usft (RIG)
Site:	1N-65W-22 FAWN 2734 & 2833 PAD	North Reference:	True
Well:	FAWN 2734-14H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Design #1		

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	
201.00	0.00	0.00	201.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,176.00	19.50	91.94	1,157.29	-5.56	164.23	2.00	2.00	0.00	91.94	
7,010.53	19.50	91.94	6,657.16	-71.49	2,110.72	0.00	0.00	0.00	0.00	
8,002.78	90.00	179.85	7,250.00	-707.52	2,322.18	9.00	7.11	8.86	88.03	
17,763.89	90.00	179.85	7,250.00	-10,468.59	2,347.71	0.00	0.00	0.00	0.00	FAWN 2734-14H_BHI

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well FAWN 2734-14H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 5127.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 5127.00usft (RIG)
Site:	1N-65W-22 FAWN 2734 & 2833 PAD	North Reference:	True
Well:	FAWN 2734-14H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Design #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
201.00	0.00	0.00	201.00	0.00	0.00	0.00	0.00	0.00	0.00
Begin Nudge @ 201.00ft									
300.00	1.98	91.94	299.98	-0.06	1.71	0.06	2.00	2.00	0.00
400.00	3.98	91.94	399.84	-0.23	6.90	0.25	2.00	2.00	0.00
500.00	5.98	91.94	499.46	-0.53	15.58	0.57	2.00	2.00	0.00
600.00	7.98	91.94	598.71	-0.94	27.73	1.01	2.00	2.00	0.00
700.00	9.98	91.94	697.48	-1.47	43.32	1.58	2.00	2.00	0.00
800.00	11.98	91.94	795.64	-2.11	62.36	2.28	2.00	2.00	0.00
900.00	13.98	91.94	893.08	-2.87	84.81	3.09	2.00	2.00	0.00
1,000.00	15.98	91.94	989.68	-3.75	110.64	4.04	2.00	2.00	0.00
1,100.00	17.98	91.94	1,085.32	-4.74	139.82	5.10	2.00	2.00	0.00
1,176.00	19.50	91.94	1,157.29	-5.56	164.23	5.99	2.00	2.00	0.00
Hold Tangent @ 1176.00ft									
1,200.00	19.50	91.94	1,179.91	-5.83	172.23	6.28	0.00	0.00	0.00
1,300.00	19.50	91.94	1,274.17	-6.96	205.59	7.50	0.00	0.00	0.00
1,400.00	19.50	91.94	1,368.44	-8.09	238.96	8.72	0.00	0.00	0.00
1,500.00	19.50	91.94	1,462.70	-9.22	272.32	9.94	0.00	0.00	0.00
1,600.00	19.50	91.94	1,556.97	-10.35	305.68	11.15	0.00	0.00	0.00
1,700.00	19.50	91.94	1,651.23	-11.48	339.04	12.37	0.00	0.00	0.00
1,800.00	19.50	91.94	1,745.49	-12.61	372.40	13.59	0.00	0.00	0.00
1,900.00	19.50	91.94	1,839.76	-13.74	405.76	14.81	0.00	0.00	0.00
2,000.00	19.50	91.94	1,934.02	-14.87	439.13	16.02	0.00	0.00	0.00
2,100.00	19.50	91.94	2,028.29	-16.00	472.49	17.24	0.00	0.00	0.00
2,200.00	19.50	91.94	2,122.55	-17.13	505.85	18.46	0.00	0.00	0.00
2,300.00	19.50	91.94	2,216.82	-18.26	539.21	19.68	0.00	0.00	0.00
2,335.20	19.50	91.94	2,250.00	-18.66	550.95	20.10	0.00	0.00	0.00
9 5/8"									
2,400.00	19.50	91.94	2,311.08	-19.39	572.57	20.89	0.00	0.00	0.00
2,500.00	19.50	91.94	2,405.34	-20.52	605.93	22.11	0.00	0.00	0.00
2,600.00	19.50	91.94	2,499.61	-21.65	639.29	23.33	0.00	0.00	0.00
2,700.00	19.50	91.94	2,593.87	-22.78	672.66	24.55	0.00	0.00	0.00
2,800.00	19.50	91.94	2,688.14	-23.91	706.02	25.76	0.00	0.00	0.00
2,900.00	19.50	91.94	2,782.40	-25.04	739.38	26.98	0.00	0.00	0.00
3,000.00	19.50	91.94	2,876.66	-26.17	772.74	28.20	0.00	0.00	0.00
3,100.00	19.50	91.94	2,970.93	-27.30	806.10	29.41	0.00	0.00	0.00
3,200.00	19.50	91.94	3,065.19	-28.43	839.46	30.63	0.00	0.00	0.00
3,300.00	19.50	91.94	3,159.46	-29.56	872.83	31.85	0.00	0.00	0.00
3,400.00	19.50	91.94	3,253.72	-30.69	906.19	33.07	0.00	0.00	0.00
3,500.00	19.50	91.94	3,347.99	-31.82	939.55	34.28	0.00	0.00	0.00
3,600.00	19.50	91.94	3,442.25	-32.95	972.91	35.50	0.00	0.00	0.00
3,700.00	19.50	91.94	3,536.51	-34.08	1,006.27	36.72	0.00	0.00	0.00
3,800.00	19.50	91.94	3,630.78	-35.21	1,039.63	37.94	0.00	0.00	0.00
3,900.00	19.50	91.94	3,725.04	-36.34	1,072.99	39.15	0.00	0.00	0.00
4,000.00	19.50	91.94	3,819.31	-37.47	1,106.36	40.37	0.00	0.00	0.00
4,100.00	19.50	91.94	3,913.57	-38.60	1,139.72	41.59	0.00	0.00	0.00
4,200.00	19.50	91.94	4,007.83	-39.73	1,173.08	42.81	0.00	0.00	0.00
4,300.00	19.50	91.94	4,102.10	-40.86	1,206.44	44.02	0.00	0.00	0.00
4,400.00	19.50	91.94	4,196.36	-41.99	1,239.80	45.24	0.00	0.00	0.00
4,500.00	19.50	91.94	4,290.63	-43.13	1,273.16	46.46	0.00	0.00	0.00
4,600.00	19.50	91.94	4,384.89	-44.26	1,306.53	47.68	0.00	0.00	0.00
4,700.00	19.50	91.94	4,479.15	-45.39	1,339.89	48.89	0.00	0.00	0.00

Planning Report

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Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 5127.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 5127.00usft (RIG)
Site:	1N-65W-22 FAWN 2734 & 2833 PAD	North Reference:	True
Well:	FAWN 2734-14H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Design #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)
4,800.00	19.50	91.94	4,573.42	-46.52	1,373.25	50.11	0.00	0.00	0.00
4,900.00	19.50	91.94	4,667.68	-47.65	1,406.61	51.33	0.00	0.00	0.00
5,000.00	19.50	91.94	4,761.95	-48.78	1,439.97	52.54	0.00	0.00	0.00
5,100.00	19.50	91.94	4,856.21	-49.91	1,473.33	53.76	0.00	0.00	0.00
5,200.00	19.50	91.94	4,950.48	-51.04	1,506.69	54.98	0.00	0.00	0.00
5,300.00	19.50	91.94	5,044.74	-52.17	1,540.06	56.20	0.00	0.00	0.00
5,400.00	19.50	91.94	5,139.00	-53.30	1,573.42	57.41	0.00	0.00	0.00
5,500.00	19.50	91.94	5,233.27	-54.43	1,606.78	58.63	0.00	0.00	0.00
5,600.00	19.50	91.94	5,327.53	-55.56	1,640.14	59.85	0.00	0.00	0.00
5,700.00	19.50	91.94	5,421.80	-56.69	1,673.50	61.07	0.00	0.00	0.00
5,800.00	19.50	91.94	5,516.06	-57.82	1,706.86	62.28	0.00	0.00	0.00
5,900.00	19.50	91.94	5,610.32	-58.95	1,740.23	63.50	0.00	0.00	0.00
6,000.00	19.50	91.94	5,704.59	-60.08	1,773.59	64.72	0.00	0.00	0.00
6,100.00	19.50	91.94	5,798.85	-61.21	1,806.95	65.94	0.00	0.00	0.00
6,200.00	19.50	91.94	5,893.12	-62.34	1,840.31	67.15	0.00	0.00	0.00
6,300.00	19.50	91.94	5,987.38	-63.47	1,873.67	68.37	0.00	0.00	0.00
6,400.00	19.50	91.94	6,081.65	-64.60	1,907.03	69.59	0.00	0.00	0.00
6,500.00	19.50	91.94	6,175.91	-65.73	1,940.39	70.81	0.00	0.00	0.00
6,600.00	19.50	91.94	6,270.17	-66.86	1,973.76	72.02	0.00	0.00	0.00
6,700.00	19.50	91.94	6,364.44	-67.99	2,007.12	73.24	0.00	0.00	0.00
6,800.00	19.50	91.94	6,458.70	-69.12	2,040.48	74.46	0.00	0.00	0.00
6,900.00	19.50	91.94	6,552.97	-70.25	2,073.84	75.67	0.00	0.00	0.00
7,000.00	19.50	91.94	6,647.23	-71.38	2,107.20	76.89	0.00	0.00	0.00
7,010.53	19.50	91.94	6,657.16	-71.49	2,110.72	77.02	0.00	0.00	0.00
KOP @ 7010.53ft :: DLS = 9°/100'									
7,050.00	19.93	102.41	6,694.32	-73.16	2,123.87	78.72	9.00	1.09	26.52
7,100.00	21.29	114.62	6,741.15	-78.78	2,140.46	84.38	9.00	2.73	24.42
7,150.00	23.42	125.06	6,787.40	-88.27	2,156.85	93.92	9.00	4.26	20.90
7,200.00	26.13	133.67	6,832.81	-101.59	2,172.96	107.28	9.00	5.41	17.20
7,250.00	29.25	140.65	6,877.09	-118.65	2,188.67	124.37	9.00	6.24	13.98
7,300.00	32.67	146.35	6,919.97	-139.33	2,203.90	145.10	9.00	6.84	11.39
7,350.00	36.30	151.05	6,961.19	-163.53	2,218.55	169.34	9.00	7.26	9.40
7,400.00	40.09	154.99	7,000.49	-191.08	2,232.53	196.93	9.00	7.57	7.87
7,450.00	43.99	158.34	7,037.62	-221.82	2,245.75	227.70	9.00	7.80	6.71
7,500.00	47.97	161.25	7,072.36	-255.56	2,258.13	261.47	9.00	7.97	5.82
7,550.00	52.02	163.81	7,104.50	-292.09	2,269.60	298.03	9.00	8.10	5.12
7,600.00	56.12	166.10	7,133.84	-331.18	2,280.08	337.15	9.00	8.20	4.58
7,650.00	60.26	168.19	7,160.19	-372.60	2,289.52	378.59	9.00	8.28	4.16
7,700.00	64.43	170.10	7,183.39	-416.09	2,297.84	422.10	9.00	8.34	3.83
7,750.00	68.62	171.89	7,203.31	-461.37	2,305.01	467.40	9.00	8.38	3.57
7,800.00	72.83	173.57	7,219.81	-508.18	2,310.97	514.22	9.00	8.42	3.37
7,850.00	77.05	175.18	7,232.80	-556.22	2,315.69	562.28	9.00	8.45	3.22
7,900.00	81.28	176.74	7,242.20	-605.19	2,319.15	611.26	9.00	8.46	3.11
7,950.00	85.52	178.26	7,247.94	-654.80	2,321.31	660.87	9.00	8.48	3.04
8,002.78	90.00	179.85	7,250.00	-707.52	2,322.18	713.59	9.00	8.48	3.01
End Build/TPZ @ 8002.78ft									
8,100.00	90.00	179.85	7,250.00	-804.74	2,322.43	810.81	0.00	0.00	0.00
8,200.00	90.00	179.85	7,250.00	-904.74	2,322.69	910.81	0.00	0.00	0.00
8,300.00	90.00	179.85	7,250.00	-1,004.74	2,322.95	1,010.81	0.00	0.00	0.00
8,400.00	90.00	179.85	7,250.00	-1,104.73	2,323.22	1,110.81	0.00	0.00	0.00
8,500.00	90.00	179.85	7,250.00	-1,204.73	2,323.48	1,210.81	0.00	0.00	0.00
8,600.00	90.00	179.85	7,250.00	-1,304.73	2,323.74	1,310.81	0.00	0.00	0.00
8,700.00	90.00	179.85	7,250.00	-1,404.73	2,324.00	1,410.81	0.00	0.00	0.00
8,800.00	90.00	179.85	7,250.00	-1,504.73	2,324.26	1,510.81	0.00	0.00	0.00

Planning Report

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Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 5127.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 5127.00usft (RIG)
Site:	1N-65W-22 FAWN 2734 & 2833 PAD	North Reference:	True
Well:	FAWN 2734-14H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Design #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)	
8,900.00	90.00	179.85	7,250.00	-1,604.73	2,324.52	1,610.81	0.00	0.00	0.00	
9,000.00	90.00	179.85	7,250.00	-1,704.73	2,324.79	1,710.81	0.00	0.00	0.00	
9,100.00	90.00	179.85	7,250.00	-1,804.73	2,325.05	1,810.81	0.00	0.00	0.00	
9,200.00	90.00	179.85	7,250.00	-1,904.73	2,325.31	1,910.81	0.00	0.00	0.00	
9,300.00	90.00	179.85	7,250.00	-2,004.73	2,325.57	2,010.81	0.00	0.00	0.00	
9,400.00	90.00	179.85	7,250.00	-2,104.73	2,325.83	2,110.81	0.00	0.00	0.00	
9,500.00	90.00	179.85	7,250.00	-2,204.73	2,326.09	2,210.81	0.00	0.00	0.00	
9,600.00	90.00	179.85	7,250.00	-2,304.73	2,326.36	2,310.81	0.00	0.00	0.00	
9,700.00	90.00	179.85	7,250.00	-2,404.73	2,326.62	2,410.81	0.00	0.00	0.00	
9,800.00	90.00	179.85	7,250.00	-2,504.73	2,326.88	2,510.81	0.00	0.00	0.00	
9,900.00	90.00	179.85	7,250.00	-2,604.73	2,327.14	2,610.81	0.00	0.00	0.00	
10,000.00	90.00	179.85	7,250.00	-2,704.73	2,327.40	2,710.81	0.00	0.00	0.00	
10,100.00	90.00	179.85	7,250.00	-2,804.73	2,327.66	2,810.81	0.00	0.00	0.00	
10,200.00	90.00	179.85	7,250.00	-2,904.73	2,327.93	2,910.81	0.00	0.00	0.00	
10,300.00	90.00	179.85	7,250.00	-3,004.73	2,328.19	3,010.81	0.00	0.00	0.00	
10,400.00	90.00	179.85	7,250.00	-3,104.73	2,328.45	3,110.81	0.00	0.00	0.00	
10,500.00	90.00	179.85	7,250.00	-3,204.73	2,328.71	3,210.81	0.00	0.00	0.00	
10,600.00	90.00	179.85	7,250.00	-3,304.73	2,328.97	3,310.81	0.00	0.00	0.00	
10,700.00	90.00	179.85	7,250.00	-3,404.73	2,329.23	3,410.81	0.00	0.00	0.00	
10,800.00	90.00	179.85	7,250.00	-3,504.73	2,329.49	3,510.81	0.00	0.00	0.00	
10,900.00	90.00	179.85	7,250.00	-3,604.73	2,329.76	3,610.81	0.00	0.00	0.00	
11,000.00	90.00	179.85	7,250.00	-3,704.73	2,330.02	3,710.81	0.00	0.00	0.00	
11,100.00	90.00	179.85	7,250.00	-3,804.73	2,330.28	3,810.81	0.00	0.00	0.00	
11,200.00	90.00	179.85	7,250.00	-3,904.73	2,330.54	3,910.81	0.00	0.00	0.00	
11,300.00	90.00	179.85	7,250.00	-4,004.73	2,330.80	4,010.81	0.00	0.00	0.00	
11,400.00	90.00	179.85	7,250.00	-4,104.72	2,331.06	4,110.81	0.00	0.00	0.00	
11,500.00	90.00	179.85	7,250.00	-4,204.72	2,331.33	4,210.81	0.00	0.00	0.00	
11,600.00	90.00	179.85	7,250.00	-4,304.72	2,331.59	4,310.81	0.00	0.00	0.00	
11,700.00	90.00	179.85	7,250.00	-4,404.72	2,331.85	4,410.81	0.00	0.00	0.00	
11,800.00	90.00	179.85	7,250.00	-4,504.72	2,332.11	4,510.81	0.00	0.00	0.00	
11,900.00	90.00	179.85	7,250.00	-4,604.72	2,332.37	4,610.81	0.00	0.00	0.00	
12,000.00	90.00	179.85	7,250.00	-4,704.72	2,332.63	4,710.81	0.00	0.00	0.00	
12,100.00	90.00	179.85	7,250.00	-4,804.72	2,332.90	4,810.81	0.00	0.00	0.00	
12,200.00	90.00	179.85	7,250.00	-4,904.72	2,333.16	4,910.81	0.00	0.00	0.00	
12,300.00	90.00	179.85	7,250.00	-5,004.72	2,333.42	5,010.81	0.00	0.00	0.00	
12,400.00	90.00	179.85	7,250.00	-5,104.72	2,333.68	5,110.81	0.00	0.00	0.00	
12,500.00	90.00	179.85	7,250.00	-5,204.72	2,333.94	5,210.81	0.00	0.00	0.00	
12,600.00	90.00	179.85	7,250.00	-5,304.72	2,334.20	5,310.81	0.00	0.00	0.00	
12,700.00	90.00	179.85	7,250.00	-5,404.72	2,334.47	5,410.81	0.00	0.00	0.00	
12,800.00	90.00	179.85	7,250.00	-5,504.72	2,334.73	5,510.81	0.00	0.00	0.00	
12,900.00	90.00	179.85	7,250.00	-5,604.72	2,334.99	5,610.81	0.00	0.00	0.00	
13,000.00	90.00	179.85	7,250.00	-5,704.72	2,335.25	5,710.81	0.00	0.00	0.00	
13,100.00	90.00	179.85	7,250.00	-5,804.72	2,335.51	5,810.81	0.00	0.00	0.00	
13,200.00	90.00	179.85	7,250.00	-5,904.72	2,335.77	5,910.81	0.00	0.00	0.00	
13,300.00	90.00	179.85	7,250.00	-6,004.72	2,336.03	6,010.81	0.00	0.00	0.00	
13,400.00	90.00	179.85	7,250.00	-6,104.72	2,336.30	6,110.81	0.00	0.00	0.00	
13,500.00	90.00	179.85	7,250.00	-6,204.72	2,336.56	6,210.81	0.00	0.00	0.00	
13,600.00	90.00	179.85	7,250.00	-6,304.72	2,336.82	6,310.81	0.00	0.00	0.00	
13,700.00	90.00	179.85	7,250.00	-6,404.72	2,337.08	6,410.81	0.00	0.00	0.00	
13,800.00	90.00	179.85	7,250.00	-6,504.72	2,337.34	6,510.81	0.00	0.00	0.00	
13,900.00	90.00	179.85	7,250.00	-6,604.72	2,337.60	6,610.81	0.00	0.00	0.00	
14,000.00	90.00	179.85	7,250.00	-6,704.72	2,337.87	6,710.81	0.00	0.00	0.00	
14,100.00	90.00	179.85	7,250.00	-6,804.72	2,338.13	6,810.81	0.00	0.00	0.00	
14,200.00	90.00	179.85	7,250.00	-6,904.72	2,338.39	6,910.81	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well FAWN 2734-14H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 5127.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 5127.00usft (RIG)
Site:	1N-65W-22 FAWN 2734 & 2833 PAD	North Reference:	True
Well:	FAWN 2734-14H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Design #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)	
14,300.00	90.00	179.85	7,250.00	-7,004.71	2,338.65	7,010.81	0.00	0.00	0.00	
14,400.00	90.00	179.85	7,250.00	-7,104.71	2,338.91	7,110.81	0.00	0.00	0.00	
14,500.00	90.00	179.85	7,250.00	-7,204.71	2,339.17	7,210.81	0.00	0.00	0.00	
14,600.00	90.00	179.85	7,250.00	-7,304.71	2,339.44	7,310.81	0.00	0.00	0.00	
14,700.00	90.00	179.85	7,250.00	-7,404.71	2,339.70	7,410.81	0.00	0.00	0.00	
14,800.00	90.00	179.85	7,250.00	-7,504.71	2,339.96	7,510.81	0.00	0.00	0.00	
14,900.00	90.00	179.85	7,250.00	-7,604.71	2,340.22	7,610.81	0.00	0.00	0.00	
15,000.00	90.00	179.85	7,250.00	-7,704.71	2,340.48	7,710.81	0.00	0.00	0.00	
15,100.00	90.00	179.85	7,250.00	-7,804.71	2,340.74	7,810.81	0.00	0.00	0.00	
15,200.00	90.00	179.85	7,250.00	-7,904.71	2,341.01	7,910.81	0.00	0.00	0.00	
15,300.00	90.00	179.85	7,250.00	-8,004.71	2,341.27	8,010.81	0.00	0.00	0.00	
15,400.00	90.00	179.85	7,250.00	-8,104.71	2,341.53	8,110.81	0.00	0.00	0.00	
15,500.00	90.00	179.85	7,250.00	-8,204.71	2,341.79	8,210.81	0.00	0.00	0.00	
15,600.00	90.00	179.85	7,250.00	-8,304.71	2,342.05	8,310.81	0.00	0.00	0.00	
15,700.00	90.00	179.85	7,250.00	-8,404.71	2,342.31	8,410.81	0.00	0.00	0.00	
15,800.00	90.00	179.85	7,250.00	-8,504.71	2,342.57	8,510.81	0.00	0.00	0.00	
15,900.00	90.00	179.85	7,250.00	-8,604.71	2,342.84	8,610.81	0.00	0.00	0.00	
16,000.00	90.00	179.85	7,250.00	-8,704.71	2,343.10	8,710.81	0.00	0.00	0.00	
16,100.00	90.00	179.85	7,250.00	-8,804.71	2,343.36	8,810.81	0.00	0.00	0.00	
16,200.00	90.00	179.85	7,250.00	-8,904.71	2,343.62	8,910.81	0.00	0.00	0.00	
16,300.00	90.00	179.85	7,250.00	-9,004.71	2,343.88	9,010.81	0.00	0.00	0.00	
16,400.00	90.00	179.85	7,250.00	-9,104.71	2,344.14	9,110.81	0.00	0.00	0.00	
16,500.00	90.00	179.85	7,250.00	-9,204.71	2,344.41	9,210.81	0.00	0.00	0.00	
16,600.00	90.00	179.85	7,250.00	-9,304.71	2,344.67	9,310.81	0.00	0.00	0.00	
16,700.00	90.00	179.85	7,250.00	-9,404.71	2,344.93	9,410.81	0.00	0.00	0.00	
16,800.00	90.00	179.85	7,250.00	-9,504.71	2,345.19	9,510.81	0.00	0.00	0.00	
16,900.00	90.00	179.85	7,250.00	-9,604.71	2,345.45	9,610.81	0.00	0.00	0.00	
17,000.00	90.00	179.85	7,250.00	-9,704.71	2,345.71	9,710.81	0.00	0.00	0.00	
17,100.00	90.00	179.85	7,250.00	-9,804.71	2,345.98	9,810.81	0.00	0.00	0.00	
17,200.00	90.00	179.85	7,250.00	-9,904.70	2,346.24	9,910.81	0.00	0.00	0.00	
17,300.00	90.00	179.85	7,250.00	-10,004.70	2,346.50	10,010.81	0.00	0.00	0.00	
17,400.00	90.00	179.85	7,250.00	-10,104.70	2,346.76	10,110.81	0.00	0.00	0.00	
17,500.00	90.00	179.85	7,250.00	-10,204.70	2,347.02	10,210.81	0.00	0.00	0.00	
17,600.00	90.00	179.85	7,250.00	-10,304.70	2,347.28	10,310.81	0.00	0.00	0.00	
17,673.89	90.00	179.85	7,250.00	-10,378.59	2,347.48	10,384.70	0.00	0.00	0.00	
BPZ @ 17673.89ft										
17,700.00	90.00	179.85	7,250.00	-10,404.70	2,347.55	10,410.81	0.00	0.00	0.00	
17,763.89	90.00	179.85	7,250.00	-10,468.59	2,347.71	10,474.70	0.00	0.00	0.00	
TD Well @ 17763.89ft										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")
2,335.20	2,250.00	9 5/8"		9-5/8	13-1/2

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well FAWN 2734-14H
Company:	VERDAD RESOURCES	TVD Reference:	RKB = 20' @ 5127.00usft (RIG)
Project:	WATTENBERG FIELD	MD Reference:	RKB = 20' @ 5127.00usft (RIG)
Site:	1N-65W-22 FAWN 2734 & 2833 PAD	North Reference:	True
Well:	FAWN 2734-14H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Plan A		
Design:	Design #1		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
201.00	201.00	0.00	0.00	Begin Nudge @ 201.00ft
1,176.00	1,157.29	-5.56	164.23	Hold Tangent @ 1176.00ft
7,010.53	6,657.16	-71.49	2,110.72	KOP @ 7010.53ft :: DLS = 9°/100'
8,002.78	7,250.00	-707.52	2,322.18	End Build/TPZ @ 8002.78ft
17,673.89	7,250.00	-10,378.59	2,347.48	BPZ @ 17673.89ft
17,763.89	7,250.00	-10,468.59	2,347.71	TD Well @ 17763.89ft