

VERDAD RESOURCES

WATTENBERG FIELD

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

FAWN 2734-07H

Plan A

Plan: Design #1

Standard Planning Report

30 July, 2022

Project: WATTENBERG FIELD
Site: 1N-65W-22 FAWN 2734 & 2833 PAD
Well: FAWN 2734-07H
Wellbore: Plan A
Design: Design #1

VERDAD RESOURCES

CASING DETAILS

TVD	MD	Name	Size
2250.00	2268.85	9 5/8"	9-5/8

SHL
244' FSL
2334' FWL

LP/TPZ
460' FNL
1130' FWL

BPZ
460' FSL
1133' FWL

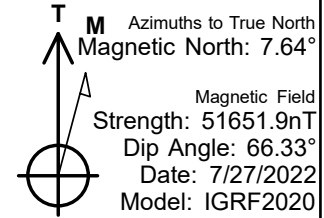
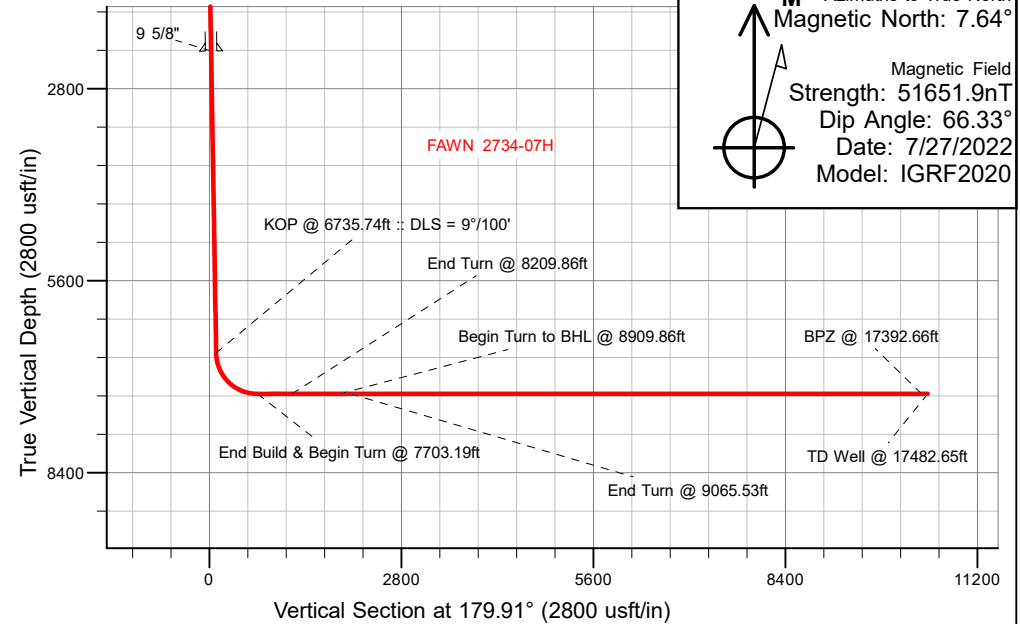
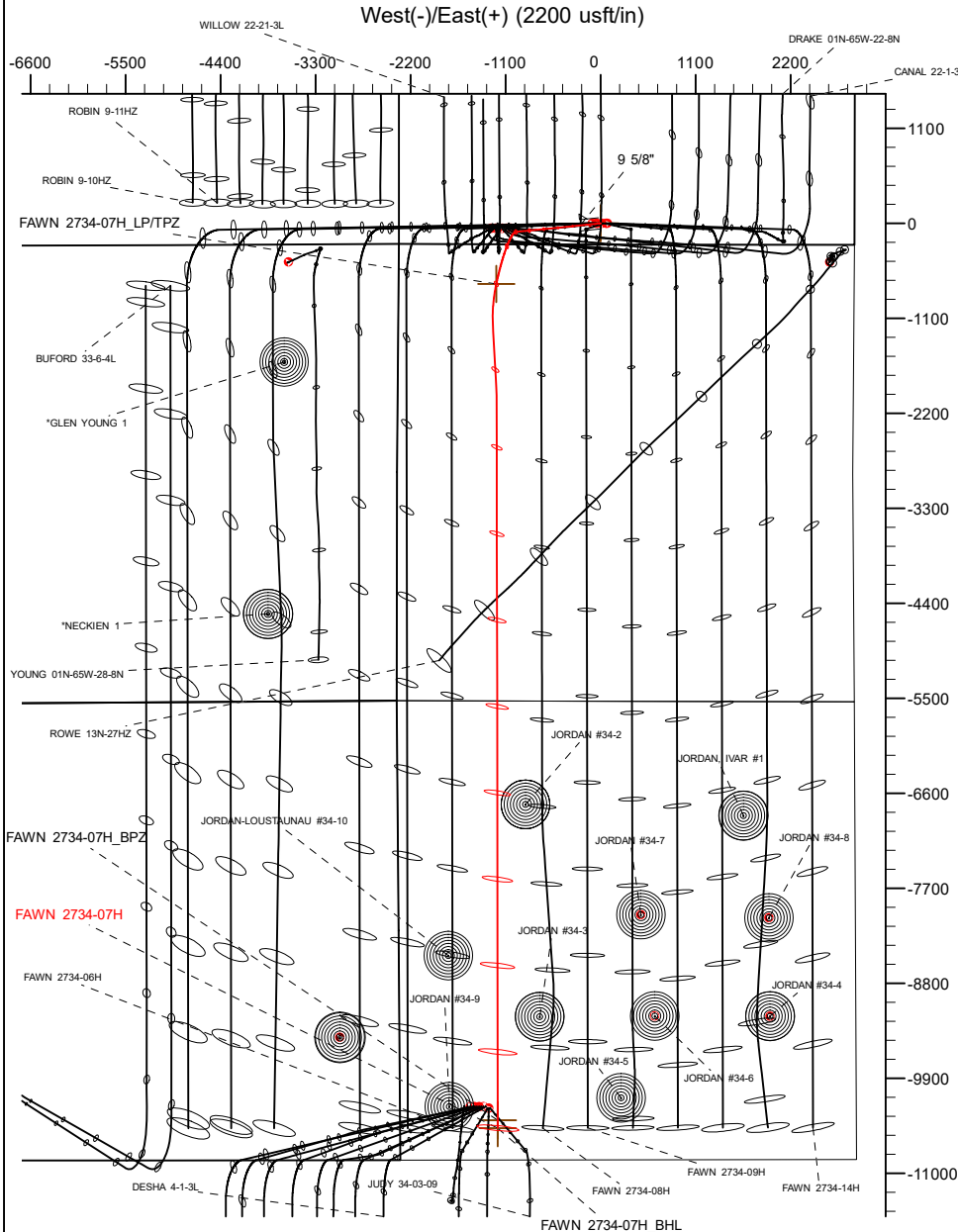
BHL
370' FSL
1132' FWL

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	
615.00	0.00	0.00	615.00	0.00	0.00	0.00	0.00	0.00	
1097.50	9.65	264.25	1095.22	-4.06	-40.33	2.00	264.25	4.00	
6735.74	9.65	264.25	6653.68	-98.75	-980.71	0.00	0.00	97.21	
7703.19	90.00	192.00	7250.00	-700.57	-1207.36	9.00	-72.49	698.67	
8209.86	90.00	176.80	7250.00	-1204.26	-1246.11	3.00	-90.00	1202.30	
8909.86	90.00	176.80	7250.00	-1903.17	-1207.04	0.00	0.00	1901.27	
9065.53	90.00	179.91	7250.00	-2058.76	-1202.57	2.00	90.00	2056.87	
17482.65	90.00	179.91	7250.00	-10475.87	-1189.86	0.00	0.00	10473.99	FAWN 2734-07H_BHL

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	Northing	Easting	Latitude	Longitude
FAWN 2734-07H_SHL	0.00	1255030.79	3237669.91	40.030325	-104.651254
FAWN 2734-07H_LP/TPZ	7250.00	1254318.46	3236469.11	40.028401	-104.655566
FAWN 2734-07H_BPZ	7250.00	1244634.00	3236579.35	40.001814	-104.655502
FAWN 2734-07H_BHL	7250.00	1244544.01	3236580.37	40.001566	-104.655501



WELL DETAILS: FAWN 2734-07H

GL = 5107'

RKB = 20' @ 5127.00usft (RIG)

Plan: Design #1 (FAWN 2734-07H/Plan A)

Date: 7/30/2022

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well FAWN 2734-07H
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 2734-07H	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 2734-07H				
Well Position	+N/-S	0.00 usft	Northing:	1,255,030.79 usft	Latitude:	40.030325
	+E/-W	0.00 usft	Easting:	3,237,669.91 usft	Longitude:	-104.651254
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	51,651.93936132

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	179.91	

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	17,482.65	Design #1 (Plan A)	ISCWSA MWD	
				Fixed:v2:standard declination	

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Well:	FAWN 2734-07H	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	
615.00	0.00	0.00	615.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,097.50	9.65	264.25	1,095.22	-4.06	-40.33	2.00	2.00	0.00	264.25	
6,735.74	9.65	264.25	6,653.68	-98.75	-980.71	0.00	0.00	0.00	0.00	
7,703.19	90.00	192.00	7,250.00	-700.57	-1,207.36	9.00	8.31	-7.47	-72.49	
8,209.86	90.00	176.80	7,250.00	-1,204.26	-1,246.11	3.00	0.00	-3.00	-90.00	
8,909.86	90.00	176.80	7,250.00	-1,903.17	-1,207.04	0.00	0.00	0.00	0.00	
9,065.53	90.00	179.91	7,250.00	-2,058.76	-1,202.57	2.00	0.00	2.00	90.00	
17,482.65	90.00	179.91	7,250.00	-10,475.87	-1,189.86	0.00	0.00	0.00	0.00	FAWN 2734-07H_BHI

Planning Report

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Site:	1N-65W-22 FAWN 2734 & 2833 PAD	North Reference:	True
Well:	FAWN 2734-07H	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
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
615.00	0.00	0.00	615.00	0.00	0.00	0.00	0.00	0.00	0.00
Begin Nudge @ 615.00ft									
700.00	1.70	264.25	699.99	-0.13	-1.25	0.12	2.00	2.00	0.00
800.00	3.70	264.25	799.87	-0.60	-5.94	0.59	2.00	2.00	0.00
900.00	5.70	264.25	899.53	-1.42	-14.09	1.40	2.00	2.00	0.00
1,000.00	7.70	264.25	998.84	-2.59	-25.70	2.55	2.00	2.00	0.00
1,097.50	9.65	264.25	1,095.22	-4.06	-40.33	4.00	2.00	2.00	0.00
Hold Tangent @ 1097.50ft									
1,100.00	9.65	264.25	1,097.69	-4.10	-40.75	4.04	0.00	0.00	0.00
1,200.00	9.65	264.25	1,196.27	-5.78	-57.43	5.69	0.00	0.00	0.00
1,300.00	9.65	264.25	1,294.86	-7.46	-74.11	7.35	0.00	0.00	0.00
1,400.00	9.65	264.25	1,393.44	-9.14	-90.79	9.00	0.00	0.00	0.00
1,500.00	9.65	264.25	1,492.03	-10.82	-107.46	10.65	0.00	0.00	0.00
1,600.00	9.65	264.25	1,590.61	-12.50	-124.14	12.31	0.00	0.00	0.00
1,700.00	9.65	264.25	1,689.20	-14.18	-140.82	13.96	0.00	0.00	0.00
1,800.00	9.65	264.25	1,787.78	-15.86	-157.50	15.61	0.00	0.00	0.00
1,900.00	9.65	264.25	1,886.37	-17.54	-174.18	17.27	0.00	0.00	0.00
2,000.00	9.65	264.25	1,984.95	-19.22	-190.86	18.92	0.00	0.00	0.00
2,100.00	9.65	264.25	2,083.54	-20.90	-207.54	20.57	0.00	0.00	0.00
2,200.00	9.65	264.25	2,182.12	-22.58	-224.21	22.22	0.00	0.00	0.00
2,268.85	9.65	264.25	2,250.00	-23.73	-235.70	23.36	0.00	0.00	0.00
9 5/8"									
2,300.00	9.65	264.25	2,280.71	-24.26	-240.89	23.88	0.00	0.00	0.00
2,400.00	9.65	264.25	2,379.29	-25.94	-257.57	25.53	0.00	0.00	0.00
2,500.00	9.65	264.25	2,477.88	-27.62	-274.25	27.18	0.00	0.00	0.00
2,600.00	9.65	264.25	2,576.46	-29.29	-290.93	28.84	0.00	0.00	0.00
2,700.00	9.65	264.25	2,675.05	-30.97	-307.61	30.49	0.00	0.00	0.00
2,800.00	9.65	264.25	2,773.63	-32.65	-324.29	32.14	0.00	0.00	0.00
2,900.00	9.65	264.25	2,872.22	-34.33	-340.96	33.80	0.00	0.00	0.00
3,000.00	9.65	264.25	2,970.80	-36.01	-357.64	35.45	0.00	0.00	0.00
3,100.00	9.65	264.25	3,069.39	-37.69	-374.32	37.10	0.00	0.00	0.00
3,200.00	9.65	264.25	3,167.97	-39.37	-391.00	38.76	0.00	0.00	0.00
3,300.00	9.65	264.25	3,266.56	-41.05	-407.68	40.41	0.00	0.00	0.00
3,400.00	9.65	264.25	3,365.14	-42.73	-424.36	42.06	0.00	0.00	0.00
3,500.00	9.65	264.25	3,463.73	-44.41	-441.04	43.72	0.00	0.00	0.00
3,600.00	9.65	264.25	3,562.31	-46.09	-457.71	45.37	0.00	0.00	0.00
3,700.00	9.65	264.25	3,660.90	-47.77	-474.39	47.02	0.00	0.00	0.00
3,800.00	9.65	264.25	3,759.48	-49.45	-491.07	48.68	0.00	0.00	0.00
3,900.00	9.65	264.25	3,858.07	-51.13	-507.75	50.33	0.00	0.00	0.00
4,000.00	9.65	264.25	3,956.65	-52.81	-524.43	51.98	0.00	0.00	0.00
4,100.00	9.65	264.25	4,055.24	-54.49	-541.11	53.64	0.00	0.00	0.00
4,200.00	9.65	264.25	4,153.82	-56.17	-557.79	55.29	0.00	0.00	0.00
4,300.00	9.65	264.25	4,252.41	-57.85	-574.46	56.94	0.00	0.00	0.00
4,400.00	9.65	264.25	4,350.99	-59.52	-591.14	58.60	0.00	0.00	0.00
4,500.00	9.65	264.25	4,449.58	-61.20	-607.82	60.25	0.00	0.00	0.00
4,600.00	9.65	264.25	4,548.16	-62.88	-624.50	61.90	0.00	0.00	0.00

Planning Report

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Site:	1N-65W-22 FAWN 2734 & 2833 PAD	North Reference:	True
Well:	FAWN 2734-07H	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)
4,700.00	9.65	264.25	4,646.75	-64.56	-641.18	63.56	0.00	0.00	0.00
4,800.00	9.65	264.25	4,745.33	-66.24	-657.86	65.21	0.00	0.00	0.00
4,900.00	9.65	264.25	4,843.92	-67.92	-674.54	66.86	0.00	0.00	0.00
5,000.00	9.65	264.25	4,942.50	-69.60	-691.21	68.52	0.00	0.00	0.00
5,100.00	9.65	264.25	5,041.09	-71.28	-707.89	70.17	0.00	0.00	0.00
5,200.00	9.65	264.25	5,139.67	-72.96	-724.57	71.82	0.00	0.00	0.00
5,300.00	9.65	264.25	5,238.26	-74.64	-741.25	73.48	0.00	0.00	0.00
5,400.00	9.65	264.25	5,336.84	-76.32	-757.93	75.13	0.00	0.00	0.00
5,500.00	9.65	264.25	5,435.43	-78.00	-774.61	76.78	0.00	0.00	0.00
5,600.00	9.65	264.25	5,534.01	-79.68	-791.29	78.44	0.00	0.00	0.00
5,700.00	9.65	264.25	5,632.60	-81.36	-807.96	80.09	0.00	0.00	0.00
5,800.00	9.65	264.25	5,731.18	-83.04	-824.64	81.74	0.00	0.00	0.00
5,900.00	9.65	264.25	5,829.77	-84.72	-841.32	83.39	0.00	0.00	0.00
6,000.00	9.65	264.25	5,928.35	-86.40	-858.00	85.05	0.00	0.00	0.00
6,100.00	9.65	264.25	6,026.94	-88.08	-874.68	86.70	0.00	0.00	0.00
6,200.00	9.65	264.25	6,125.52	-89.75	-891.36	88.35	0.00	0.00	0.00
6,300.00	9.65	264.25	6,224.11	-91.43	-908.04	90.01	0.00	0.00	0.00
6,400.00	9.65	264.25	6,322.69	-93.11	-924.71	91.66	0.00	0.00	0.00
6,500.00	9.65	264.25	6,421.28	-94.79	-941.39	93.31	0.00	0.00	0.00
6,600.00	9.65	264.25	6,519.86	-96.47	-958.07	94.97	0.00	0.00	0.00
6,700.00	9.65	264.25	6,618.45	-98.15	-974.75	96.62	0.00	0.00	0.00
6,735.74	9.65	264.25	6,653.68	-98.75	-980.71	97.21	0.00	0.00	0.00
KOP @ 6735.74ft :: DLS = 9°/100'									
6,750.00	10.11	257.26	6,667.73	-99.15	-983.12	97.60	9.00	3.22	-49.01
6,800.00	12.64	238.21	6,716.76	-103.00	-992.06	101.44	9.00	5.07	-38.10
6,850.00	16.05	226.25	6,765.21	-110.67	-1,001.71	109.09	9.00	6.82	-23.92
6,900.00	19.89	218.59	6,812.76	-122.10	-1,012.01	120.51	9.00	7.68	-15.32
6,950.00	23.95	213.38	6,859.14	-137.23	-1,022.91	135.63	9.00	8.12	-10.42
7,000.00	28.14	209.62	6,904.06	-155.97	-1,034.32	154.34	9.00	8.38	-7.51
7,050.00	32.41	206.78	6,947.23	-178.19	-1,046.20	176.55	9.00	8.53	-5.69
7,100.00	36.73	204.54	6,988.40	-203.77	-1,058.45	202.10	9.00	8.63	-4.49
7,150.00	41.08	202.71	7,027.30	-232.53	-1,071.00	230.85	9.00	8.70	-3.66
7,200.00	45.45	201.17	7,063.70	-264.32	-1,083.78	262.62	9.00	8.75	-3.07
7,250.00	49.85	199.85	7,097.38	-298.92	-1,096.72	297.20	9.00	8.79	-2.64
7,300.00	54.25	198.69	7,128.12	-336.13	-1,109.71	334.39	9.00	8.81	-2.32
7,350.00	58.67	197.66	7,155.74	-375.72	-1,122.70	373.96	9.00	8.83	-2.07
7,400.00	63.09	196.71	7,180.07	-417.44	-1,135.60	415.66	9.00	8.85	-1.89
7,450.00	67.52	195.84	7,200.95	-461.04	-1,148.32	459.23	9.00	8.86	-1.74
7,500.00	71.96	195.02	7,218.26	-506.24	-1,160.80	504.42	9.00	8.87	-1.64
7,550.00	76.39	194.25	7,231.89	-552.78	-1,172.94	550.93	9.00	8.87	-1.56
7,600.00	80.83	193.50	7,241.76	-600.35	-1,184.69	598.49	9.00	8.88	-1.50
7,650.00	85.27	192.77	7,247.81	-648.67	-1,195.96	646.79	9.00	8.88	-1.46
7,703.19	90.00	192.00	7,250.00	-700.57	-1,207.36	698.67	9.00	8.88	-1.44
End Build & Begin Turn @ 7703.19ft									
7,800.00	90.00	189.10	7,250.00	-795.73	-1,225.08	793.81	3.00	0.00	-3.00
7,900.00	90.00	186.10	7,250.00	-894.84	-1,238.29	892.90	3.00	0.00	-3.00
8,000.00	90.00	183.10	7,250.00	-994.51	-1,246.30	992.55	3.00	0.00	-3.00
8,100.00	90.00	180.10	7,250.00	-1,094.46	-1,249.09	1,092.50	3.00	0.00	-3.00
8,209.86	90.00	176.80	7,250.00	-1,204.26	-1,246.11	1,202.30	3.00	0.00	-3.00
End Turn @ 8209.86ft									
8,300.00	90.00	176.80	7,250.00	-1,294.26	-1,241.08	1,292.31	0.00	0.00	0.00
8,400.00	90.00	176.80	7,250.00	-1,394.11	-1,235.50	1,392.16	0.00	0.00	0.00
8,500.00	90.00	176.80	7,250.00	-1,493.95	-1,229.92	1,492.02	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well FAWN 2734-07H
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 2734-07H	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)	
8,600.00	90.00	176.80	7,250.00	-1,593.80	-1,224.33	1,591.87	0.00	0.00	0.00	
8,700.00	90.00	176.80	7,250.00	-1,693.64	-1,218.75	1,691.72	0.00	0.00	0.00	
8,800.00	90.00	176.80	7,250.00	-1,793.48	-1,213.17	1,791.58	0.00	0.00	0.00	
8,909.86	90.00	176.80	7,250.00	-1,903.17	-1,207.04	1,901.27	0.00	0.00	0.00	
Begin Turn to BHL @ 8909.86ft										
9,000.00	90.00	178.60	7,250.00	-1,993.24	-1,203.42	1,991.34	2.00	0.00	2.00	
9,065.53	90.00	179.91	7,250.00	-2,058.76	-1,202.57	2,056.87	2.00	0.00	2.00	
End Turn @ 9065.53ft										
9,100.00	90.00	179.91	7,250.00	-2,093.23	-1,202.52	2,091.34	0.00	0.00	0.00	
9,200.00	90.00	179.91	7,250.00	-2,193.23	-1,202.37	2,191.34	0.00	0.00	0.00	
9,300.00	90.00	179.91	7,250.00	-2,293.23	-1,202.22	2,291.34	0.00	0.00	0.00	
9,400.00	90.00	179.91	7,250.00	-2,393.23	-1,202.07	2,391.34	0.00	0.00	0.00	
9,500.00	90.00	179.91	7,250.00	-2,493.23	-1,201.92	2,491.34	0.00	0.00	0.00	
9,600.00	90.00	179.91	7,250.00	-2,593.23	-1,201.77	2,591.34	0.00	0.00	0.00	
9,700.00	90.00	179.91	7,250.00	-2,693.23	-1,201.62	2,691.34	0.00	0.00	0.00	
9,800.00	90.00	179.91	7,250.00	-2,793.23	-1,201.47	2,791.34	0.00	0.00	0.00	
9,900.00	90.00	179.91	7,250.00	-2,893.23	-1,201.31	2,891.34	0.00	0.00	0.00	
10,000.00	90.00	179.91	7,250.00	-2,993.23	-1,201.16	2,991.34	0.00	0.00	0.00	
10,100.00	90.00	179.91	7,250.00	-3,093.23	-1,201.01	3,091.34	0.00	0.00	0.00	
10,200.00	90.00	179.91	7,250.00	-3,193.23	-1,200.86	3,191.34	0.00	0.00	0.00	
10,300.00	90.00	179.91	7,250.00	-3,293.23	-1,200.71	3,291.34	0.00	0.00	0.00	
10,400.00	90.00	179.91	7,250.00	-3,393.23	-1,200.56	3,391.34	0.00	0.00	0.00	
10,500.00	90.00	179.91	7,250.00	-3,493.23	-1,200.41	3,491.34	0.00	0.00	0.00	
10,600.00	90.00	179.91	7,250.00	-3,593.23	-1,200.26	3,591.34	0.00	0.00	0.00	
10,700.00	90.00	179.91	7,250.00	-3,693.23	-1,200.11	3,691.34	0.00	0.00	0.00	
10,800.00	90.00	179.91	7,250.00	-3,793.23	-1,199.95	3,791.34	0.00	0.00	0.00	
10,900.00	90.00	179.91	7,250.00	-3,893.23	-1,199.80	3,891.34	0.00	0.00	0.00	
11,000.00	90.00	179.91	7,250.00	-3,993.23	-1,199.65	3,991.34	0.00	0.00	0.00	
11,100.00	90.00	179.91	7,250.00	-4,093.23	-1,199.50	4,091.34	0.00	0.00	0.00	
11,200.00	90.00	179.91	7,250.00	-4,193.23	-1,199.35	4,191.34	0.00	0.00	0.00	
11,300.00	90.00	179.91	7,250.00	-4,293.23	-1,199.20	4,291.34	0.00	0.00	0.00	
11,400.00	90.00	179.91	7,250.00	-4,393.23	-1,199.05	4,391.34	0.00	0.00	0.00	
11,500.00	90.00	179.91	7,250.00	-4,493.23	-1,198.90	4,491.34	0.00	0.00	0.00	
11,600.00	90.00	179.91	7,250.00	-4,593.23	-1,198.75	4,591.34	0.00	0.00	0.00	
11,700.00	90.00	179.91	7,250.00	-4,693.23	-1,198.60	4,691.34	0.00	0.00	0.00	
11,800.00	90.00	179.91	7,250.00	-4,793.23	-1,198.44	4,791.34	0.00	0.00	0.00	
11,900.00	90.00	179.91	7,250.00	-4,893.23	-1,198.29	4,891.34	0.00	0.00	0.00	
12,000.00	90.00	179.91	7,250.00	-4,993.23	-1,198.14	4,991.34	0.00	0.00	0.00	
12,100.00	90.00	179.91	7,250.00	-5,093.23	-1,197.99	5,091.34	0.00	0.00	0.00	
12,200.00	90.00	179.91	7,250.00	-5,193.23	-1,197.84	5,191.34	0.00	0.00	0.00	
12,300.00	90.00	179.91	7,250.00	-5,293.23	-1,197.69	5,291.34	0.00	0.00	0.00	
12,400.00	90.00	179.91	7,250.00	-5,393.23	-1,197.54	5,391.34	0.00	0.00	0.00	
12,500.00	90.00	179.91	7,250.00	-5,493.23	-1,197.39	5,491.34	0.00	0.00	0.00	
12,600.00	90.00	179.91	7,250.00	-5,593.23	-1,197.24	5,591.34	0.00	0.00	0.00	
12,700.00	90.00	179.91	7,250.00	-5,693.23	-1,197.09	5,691.34	0.00	0.00	0.00	
12,800.00	90.00	179.91	7,250.00	-5,793.23	-1,196.93	5,791.34	0.00	0.00	0.00	
12,900.00	90.00	179.91	7,250.00	-5,893.22	-1,196.78	5,891.34	0.00	0.00	0.00	
13,000.00	90.00	179.91	7,250.00	-5,993.22	-1,196.63	5,991.34	0.00	0.00	0.00	
13,100.00	90.00	179.91	7,250.00	-6,093.22	-1,196.48	6,091.34	0.00	0.00	0.00	
13,200.00	90.00	179.91	7,250.00	-6,193.22	-1,196.33	6,191.34	0.00	0.00	0.00	
13,300.00	90.00	179.91	7,250.00	-6,293.22	-1,196.18	6,291.34	0.00	0.00	0.00	
13,400.00	90.00	179.91	7,250.00	-6,393.22	-1,196.03	6,391.34	0.00	0.00	0.00	
13,500.00	90.00	179.91	7,250.00	-6,493.22	-1,195.88	6,491.34	0.00	0.00	0.00	
13,600.00	90.00	179.91	7,250.00	-6,593.22	-1,195.73	6,591.34	0.00	0.00	0.00	

Planning Report

Database:	EDM 5000.16 Single User Db	Local Co-ordinate Reference:	Well FAWN 2734-07H
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 2734-07H	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)	
13,700.00	90.00	179.91	7,250.00	-6,693.22	-1,195.57	6,691.34	0.00	0.00	0.00	
13,800.00	90.00	179.91	7,250.00	-6,793.22	-1,195.42	6,791.34	0.00	0.00	0.00	
13,900.00	90.00	179.91	7,250.00	-6,893.22	-1,195.27	6,891.34	0.00	0.00	0.00	
14,000.00	90.00	179.91	7,250.00	-6,993.22	-1,195.12	6,991.34	0.00	0.00	0.00	
14,100.00	90.00	179.91	7,250.00	-7,093.22	-1,194.97	7,091.34	0.00	0.00	0.00	
14,200.00	90.00	179.91	7,250.00	-7,193.22	-1,194.82	7,191.34	0.00	0.00	0.00	
14,300.00	90.00	179.91	7,250.00	-7,293.22	-1,194.67	7,291.34	0.00	0.00	0.00	
14,400.00	90.00	179.91	7,250.00	-7,393.22	-1,194.52	7,391.34	0.00	0.00	0.00	
14,500.00	90.00	179.91	7,250.00	-7,493.22	-1,194.37	7,491.34	0.00	0.00	0.00	
14,600.00	90.00	179.91	7,250.00	-7,593.22	-1,194.22	7,591.34	0.00	0.00	0.00	
14,700.00	90.00	179.91	7,250.00	-7,693.22	-1,194.06	7,691.34	0.00	0.00	0.00	
14,800.00	90.00	179.91	7,250.00	-7,793.22	-1,193.91	7,791.34	0.00	0.00	0.00	
14,900.00	90.00	179.91	7,250.00	-7,893.22	-1,193.76	7,891.34	0.00	0.00	0.00	
15,000.00	90.00	179.91	7,250.00	-7,993.22	-1,193.61	7,991.34	0.00	0.00	0.00	
15,100.00	90.00	179.91	7,250.00	-8,093.22	-1,193.46	8,091.34	0.00	0.00	0.00	
15,200.00	90.00	179.91	7,250.00	-8,193.22	-1,193.31	8,191.34	0.00	0.00	0.00	
15,300.00	90.00	179.91	7,250.00	-8,293.22	-1,193.16	8,291.34	0.00	0.00	0.00	
15,400.00	90.00	179.91	7,250.00	-8,393.22	-1,193.01	8,391.34	0.00	0.00	0.00	
15,500.00	90.00	179.91	7,250.00	-8,493.22	-1,192.86	8,491.34	0.00	0.00	0.00	
15,600.00	90.00	179.91	7,250.00	-8,593.22	-1,192.71	8,591.34	0.00	0.00	0.00	
15,700.00	90.00	179.91	7,250.00	-8,693.22	-1,192.55	8,691.34	0.00	0.00	0.00	
15,800.00	90.00	179.91	7,250.00	-8,793.22	-1,192.40	8,791.34	0.00	0.00	0.00	
15,900.00	90.00	179.91	7,250.00	-8,893.22	-1,192.25	8,891.34	0.00	0.00	0.00	
16,000.00	90.00	179.91	7,250.00	-8,993.22	-1,192.10	8,991.34	0.00	0.00	0.00	
16,100.00	90.00	179.91	7,250.00	-9,093.22	-1,191.95	9,091.34	0.00	0.00	0.00	
16,200.00	90.00	179.91	7,250.00	-9,193.22	-1,191.80	9,191.34	0.00	0.00	0.00	
16,300.00	90.00	179.91	7,250.00	-9,293.22	-1,191.65	9,291.34	0.00	0.00	0.00	
16,400.00	90.00	179.91	7,250.00	-9,393.22	-1,191.50	9,391.34	0.00	0.00	0.00	
16,500.00	90.00	179.91	7,250.00	-9,493.22	-1,191.35	9,491.34	0.00	0.00	0.00	
16,600.00	90.00	179.91	7,250.00	-9,593.22	-1,191.20	9,591.34	0.00	0.00	0.00	
16,700.00	90.00	179.91	7,250.00	-9,693.22	-1,191.04	9,691.34	0.00	0.00	0.00	
16,800.00	90.00	179.91	7,250.00	-9,793.22	-1,190.89	9,791.34	0.00	0.00	0.00	
16,900.00	90.00	179.91	7,250.00	-9,893.22	-1,190.74	9,891.34	0.00	0.00	0.00	
17,000.00	90.00	179.91	7,250.00	-9,993.22	-1,190.59	9,991.34	0.00	0.00	0.00	
17,100.00	90.00	179.91	7,250.00	-10,093.22	-1,190.44	10,091.34	0.00	0.00	0.00	
17,200.00	90.00	179.91	7,250.00	-10,193.22	-1,190.29	10,191.34	0.00	0.00	0.00	
17,300.00	90.00	179.91	7,250.00	-10,293.22	-1,190.14	10,291.34	0.00	0.00	0.00	
17,392.66	90.00	179.91	7,250.00	-10,385.88	-1,190.00	10,384.00	0.00	0.00	0.00	
BPZ @ 17392.66ft										
17,400.00	90.00	179.91	7,250.00	-10,393.22	-1,189.99	10,391.34	0.00	0.00	0.00	
17,482.65	90.00	179.91	7,250.00	-10,475.87	-1,189.86	10,473.99	0.00	0.00	0.00	
TD Well @ 17482.65ft										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name		Casing Diameter (")	Hole Diameter (")
2,268.85	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 2734-07H
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 2734-07H	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)	
615.00	615.00	0.00	0.00	Begin Nudge @ 615.00ft
1,097.50	1,095.22	-4.06	-40.33	Hold Tangent @ 1097.50ft
6,735.74	6,653.68	-98.75	-980.71	KOP @ 6735.74ft :: DLS = 9°/100'
7,703.19	7,250.00	-700.57	-1,207.36	End Build & Begin Turn @ 7703.19ft
8,209.86	7,250.00	-1,204.26	-1,246.11	End Turn @ 8209.86ft
8,909.86	7,250.00	-1,903.17	-1,207.04	Begin Turn to BHL @ 8909.86ft
9,065.53	7,250.00	-2,058.76	-1,202.57	End Turn @ 9065.53ft
17,392.66	7,250.00	-10,385.88	-1,190.00	BPZ @ 17392.66ft
17,482.65	7,250.00	-10,475.87	-1,189.86	TD Well @ 17482.65ft