



**CHISHOLM
ENERGY**

Chisholm Energy

Eddy Co, NM

Dark Canyon 15-22

BS #4H 30.015- 44647

BS #4H

**NM OIL CONSERVATION
ARTESIA DISTRICT**

JUL 24 2018

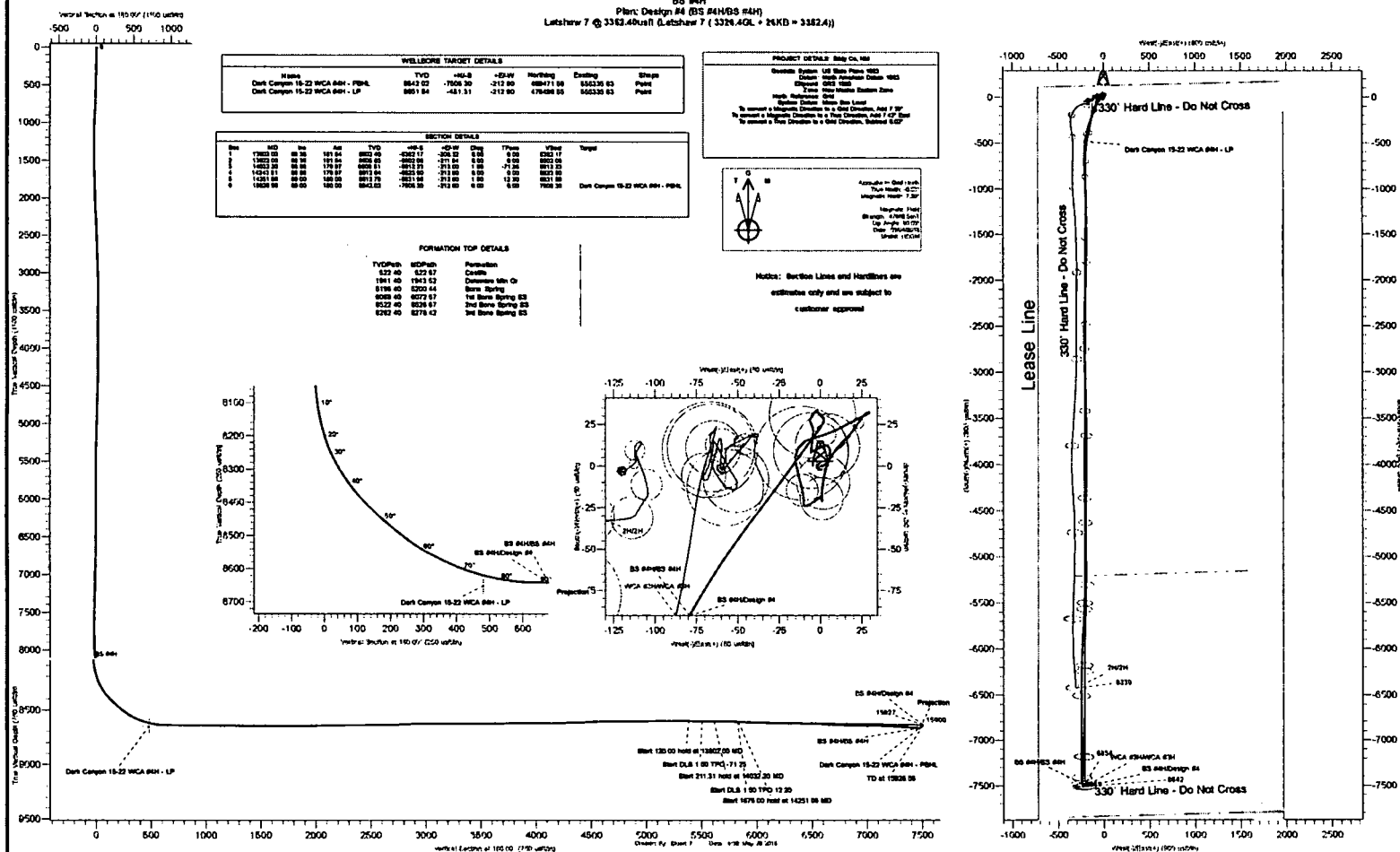
RECEIVED

Design: BS #4H

Standard Survey Report

29 May, 2018

**Provide Signature Page for
Directional Survey**





Company: Chisholm Energy
Project: Eddy Co, NM

Site: Dark Canyon 15-22

Well: BS #4H

Wellbore: BS #4H

Design: BS #4H

Local Co-ordinate Reference: Well BS #4H

TVD Reference: Latshaw 7 @ 3352.40usft (Latshaw 7 (3326.4GL + 26KB = 3352.4))

MD Reference: Latshaw 7 @ 3352.40usft (Latshaw 7 (3326.4GL + 26KB = 3352.4))

North Reference: Grid

Survey Calculation Method: Minimum Curvature

Database: Gyrodata Compass DB

Project	Eddy Co, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Dark Canyon 15-22				
Site Position:		Northing:	477,089.97 usft	Latitude:	32.31159	
From:	Map	Easting:	554,828.56 usft	Longitude:	-104.28967	
Position Uncertainty:		0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	0.02 °

Well	BS #4H					
Well Position	+N/-S	0.00 usft	Northing:	476,977.86 usft	Latitude:	32.31128
	+E/-W	0.00 usft	Easting:	555,548.53 usft	Longitude:	-104.28734
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,326.40 usft	

Wellbore	BS #4H				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	05/04/18	7.42	60.05	47,968.50000000

Design	BS #4H				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	180.00	

Survey Program		Date	05/29/18	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
137.00	15,900.00	BS #4H (BS #4H)	MWD+HRGM	OWSG MWD + HRGM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
137.00	0.94	84.12	136.99	0.12	1.12	-0.12	0.69	0.69	0.00	
228.00	1.26	51.15	227.98	0.82	2.64	-0.82	0.76	0.35	-36.23	
320.00	1.78	43.50	319.95	2.49	4.41	-2.49	0.61	0.57	-8.32	
379.00	2.06	31.25	378.91	4.06	5.59	-4.06	0.84	0.47	-20.76	
543.00	1.73	32.96	542.82	8.66	8.47	-8.66	0.20	-0.20	1.04	
601.00	1.71	42.72	600.80	10.03	9.53	-10.03	0.51	-0.03	16.83	
695.00	2.32	42.06	694.74	12.47	11.76	-12.47	0.65	0.65	-0.70	
789.00	3.25	46.36	788.63	15.72	14.96	-15.72	1.01	0.99	4.57	



Gyrodata inc. Survey Report

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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
883.00	4.43	36.95	882.41	20.46	19.07	-20.46	1.42	1.26	-10.01
978.00	3.64	35.20	977.18	25.86	23.01	-25.86	0.84	-0.83	-1.84
1,058.00	2.32	34.16	1,057.07	29.28	25.39	-29.28	1.65	-1.65	-1.30
1,151.00	0.61	46.41	1,150.03	31.17	26.80	-31.17	1.86	-1.84	13.17
1,244.00	1.13	66.87	1,243.02	31.88	28.01	-31.88	0.64	0.56	22.00
1,339.00	0.84	82.42	1,338.01	32.34	29.56	-32.34	0.41	-0.31	16.37
1,433.00	0.85	225.56	1,432.01	31.94	29.74	-31.94	1.71	0.01	152.28
1,528.00	2.69	244.01	1,526.96	30.47	27.24	-30.47	2.00	1.94	19.42
1,621.00	3.61	245.77	1,619.82	28.31	22.60	-28.31	0.99	0.99	1.89
1,715.00	4.19	240.26	1,713.60	25.39	16.92	-25.39	0.73	0.62	-5.86
1,809.00	5.10	244.57	1,807.29	21.89	10.17	-21.89	1.04	0.97	4.59
1,903.00	4.21	251.72	1,900.98	19.02	3.12	-19.02	1.13	-0.95	7.61
1,925.00	4.00	252.95	1,922.92	18.54	1.62	-18.54	1.03	-0.95	5.59
2,091.00	3.76	251.73	2,088.54	15.14	-9.09	-15.14	0.15	-0.14	-0.73
2,184.00	4.84	204.70	2,181.30	10.61	-13.62	-10.61	3.84	1.16	-50.57
2,278.00	2.41	180.30	2,275.11	5.03	-15.29	-5.03	3.01	-2.59	-25.96
2,372.00	2.14	163.58	2,369.04	1.37	-14.80	-1.37	0.76	-0.29	-17.79
2,466.00	2.01	165.99	2,462.98	-1.91	-13.91	1.91	0.17	-0.14	2.56
2,561.00	1.92	171.70	2,557.92	-5.10	-13.28	5.10	0.23	-0.09	6.01
2,655.00	1.92	165.23	2,651.87	-8.18	-12.65	8.18	0.23	0.00	-6.88
2,749.00	1.97	163.84	2,745.82	-11.26	-11.80	11.26	0.07	0.05	-1.48
2,842.00	2.03	168.08	2,838.76	-14.40	-11.01	14.40	0.17	0.06	4.56
2,937.00	1.84	171.38	2,933.71	-17.56	-10.44	17.56	0.23	-0.20	3.47
3,031.00	1.77	178.60	3,027.66	-20.50	-10.17	20.50	0.25	-0.07	7.68
3,125.00	1.81	178.82	3,121.61	-23.44	-10.11	23.44	0.04	0.04	0.23
3,219.00	1.83	63.97	3,215.59	-24.26	-8.73	24.26	3.26	0.02	-122.18
3,313.00	2.78	55.97	3,309.51	-22.33	-5.49	22.33	1.06	1.01	-8.51
3,408.00	2.79	59.13	3,404.40	-19.85	-1.60	19.85	0.16	0.01	3.33
3,502.00	0.21	115.21	3,498.36	-18.75	0.52	18.75	2.85	-2.74	59.66
3,597.00	0.43	170.15	3,593.36	-19.18	0.74	19.18	0.37	0.23	57.83
3,691.00	0.21	331.67	3,687.36	-19.37	0.72	19.37	0.67	-0.23	171.83
3,785.00	0.40	154.16	3,781.36	-19.52	0.78	19.52	0.65	0.20	-188.84
3,879.00	0.18	165.67	3,875.36	-19.95	0.96	19.95	0.24	-0.23	12.24
3,974.00	0.18	147.02	3,970.36	-20.22	1.08	20.22	0.06	0.00	-19.63
4,068.00	0.11	155.62	4,064.36	-20.43	1.20	20.43	0.08	-0.07	9.15
4,163.00	0.28	227.29	4,159.36	-20.67	1.06	20.67	0.28	0.18	75.44
4,257.00	0.14	208.25	4,253.36	-20.93	0.84	20.93	0.16	-0.15	-20.26
4,351.00	0.07	230.08	4,347.36	-21.07	0.74	21.07	0.08	-0.07	23.22
4,446.00	1.99	1.76	4,442.34	-19.45	0.75	19.45	2.14	2.02	138.61
4,540.00	2.01	3.09	4,536.28	-16.18	0.89	16.18	0.05	0.02	1.41
4,634.00	2.03	6.75	4,630.22	-12.88	1.17	12.88	0.14	0.02	3.89
4,729.00	1.89	11.01	4,725.17	-9.67	1.67	9.67	0.21	-0.15	4.48

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4,823.00	1.61	7.91	4,819.12	-6.84	2.15	6.84	0.31	-0.30	-3.30
4,917.00	1.68	15.26	4,913.08	-4.20	2.69	4.20	0.24	0.07	7.82
5,011.00	1.70	13.95	5,007.04	-1.52	3.39	1.52	0.05	0.02	-1.39
5,105.00	1.68	19.87	5,101.00	1.13	4.20	-1.13	0.19	-0.02	6.30
5,199.00	1.68	16.02	5,194.96	3.75	5.04	-3.75	0.12	0.00	-4.10
5,294.00	1.46	4.61	5,289.93	6.30	5.53	-6.30	0.40	-0.23	-12.01
5,388.00	1.13	2.83	5,383.90	8.41	5.67	-8.41	0.35	-0.35	-1.89
5,483.00	0.96	352.95	5,478.89	10.14	5.62	-10.14	0.26	-0.18	-10.40
5,578.00	0.68	314.73	5,573.88	11.33	5.12	-11.33	0.63	-0.29	-40.23
5,673.00	0.65	297.75	5,668.87	11.97	4.24	-11.97	0.21	-0.03	-17.87
5,768.00	0.44	299.84	5,763.87	12.41	3.45	-12.41	0.22	-0.22	2.20
5,863.00	0.33	248.26	5,858.86	12.49	2.88	-12.49	0.37	-0.12	-54.29
5,958.00	0.77	240.82	5,953.86	12.07	2.07	-12.07	0.47	0.46	-7.83
6,052.00	1.46	246.51	6,047.84	11.29	0.42	-11.29	0.74	0.73	6.05
6,147.00	1.84	243.85	6,142.80	10.13	-2.06	-10.13	0.41	0.40	-2.80
6,241.00	1.90	241.88	6,236.75	8.73	-4.79	-8.73	0.09	0.06	-2.10
6,335.00	0.41	58.64	6,330.74	8.18	-5.88	-8.18	2.46	-1.59	188.04
6,429.00	0.44	32.81	6,424.73	8.65	-5.40	-8.65	0.20	0.03	-27.48
6,522.00	0.20	324.60	6,517.73	9.09	-5.30	-9.09	0.44	-0.26	-73.34
6,617.00	0.30	293.54	6,612.73	9.32	-5.62	-9.32	0.17	0.11	-32.69
6,711.00	2.25	12.79	6,706.71	11.22	-5.44	-11.22	2.36	2.07	84.31
6,806.00	2.19	3.04	6,801.64	14.85	-4.93	-14.85	0.40	-0.06	-10.26
6,900.00	1.69	10.30	6,895.58	18.01	-4.59	-18.01	0.59	-0.53	7.72
6,994.00	1.30	2.48	6,989.55	20.44	-4.29	-20.44	0.47	-0.41	-8.32
7,088.00	0.99	345.80	7,083.53	22.29	-4.45	-22.29	0.48	-0.33	-17.74
7,182.00	1.00	337.84	7,177.52	23.84	-4.95	-23.84	0.15	0.01	-8.47
7,276.00	0.79	337.63	7,271.51	25.19	-5.51	-25.19	0.22	-0.22	-0.22
7,370.00	0.86	330.28	7,365.50	26.41	-6.11	-26.41	0.13	0.07	-7.82
7,464.00	0.80	8.56	7,459.49	27.67	-6.36	-27.67	0.58	-0.06	40.72
7,558.00	3.51	31.34	7,553.41	30.78	-4.76	-30.78	2.97	2.88	24.23
7,652.00	0.82	86.16	7,647.34	33.28	-2.60	-33.28	3.31	-2.86	58.32
7,747.00	2.15	142.93	7,742.31	31.90	-0.84	-31.90	1.93	1.40	59.76
7,841.00	0.91	148.11	7,836.28	29.86	0.61	-29.86	1.33	-1.32	5.51
7,935.00	0.69	108.96	7,930.27	29.04	1.54	-29.04	0.61	-0.23	-41.65
7,979.00	0.90	126.47	7,974.26	28.75	2.07	-28.75	0.72	0.48	39.80
8,054.00	2.52	196.34	8,049.23	26.82	2.08	-26.82	3.15	2.16	93.16
8,085.00	7.19	210.53	8,080.12	24.49	0.90	-24.49	15.44	15.06	45.77
8,116.00	11.44	216.07	8,110.70	20.34	-1.89	-20.34	14.00	13.71	17.87
8,148.00	14.78	218.36	8,141.86	14.57	-6.30	-14.57	10.56	10.44	7.16
8,179.00	17.02	215.69	8,171.67	7.78	-11.40	-7.78	7.60	7.23	-8.61
8,211.00	20.49	215.47	8,201.97	-0.59	-17.38	0.59	10.85	10.84	-0.69
8,242.00	25.18	216.95	8,230.53	-10.28	-24.50	10.28	15.24	15.13	4.77

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8,273.00	31.56	217.35	8,257.80	-22.01	-33.39	22.01	20.59	20.58	1.29
8,305.00	35.52	217.04	8,284.46	-36.09	-44.08	36.09	12.39	12.37	-0.97
8,339.00	37.98	214.48	8,311.70	-52.61	-55.95	52.61	8.52	7.24	-7.53
8,370.00	39.44	211.95	8,335.90	-68.83	-66.56	68.83	6.94	4.71	-8.16
8,402.00	41.95	209.63	8,360.16	-86.75	-77.23	86.75	9.16	7.84	-7.25
8,433.00	45.09	206.82	8,382.64	-105.56	-87.31	105.56	11.90	10.13	-9.06
8,464.00	47.18	202.88	8,404.12	-125.84	-96.69	125.84	11.37	6.74	-12.71
8,496.00	49.30	199.98	8,425.43	-148.06	-105.40	148.06	9.46	6.62	-9.06
8,527.00	49.82	198.73	8,445.54	-170.32	-113.22	170.32	3.50	1.68	-4.03
8,558.00	50.88	198.39	8,465.32	-192.94	-120.81	192.94	3.52	3.42	-1.10
8,590.00	52.97	198.44	8,485.06	-216.84	-128.77	216.84	6.53	6.53	0.16
8,622.00	54.49	198.69	8,503.99	-241.30	-136.98	241.30	4.79	4.75	0.78
8,653.00	56.17	198.29	8,521.62	-265.48	-145.07	265.48	5.52	5.42	-1.29
8,684.00	59.46	197.97	8,538.13	-290.41	-153.23	290.41	10.65	10.61	-1.03
8,715.00	63.37	197.00	8,552.96	-316.37	-161.40	316.37	12.91	12.61	-3.13
8,747.00	63.96	195.23	8,567.16	-343.92	-169.36	343.92	5.29	1.84	-5.53
8,778.00	65.49	193.20	8,580.39	-371.09	-176.24	371.09	7.71	4.94	-6.55
8,810.00	68.18	191.33	8,592.98	-399.84	-182.49	399.84	9.98	8.41	-5.84
8,841.00	70.91	188.58	8,603.82	-428.44	-187.50	428.44	12.11	8.81	-8.87
8,873.00	73.53	187.16	8,613.59	-458.62	-191.67	458.62	9.21	8.19	-4.44
8,904.00	75.82	186.64	8,621.78	-488.30	-195.26	488.30	7.56	7.39	-1.68
8,936.00	78.88	186.03	8,628.79	-519.33	-198.70	519.33	9.74	9.56	-1.91
8,967.00	81.26	185.21	8,634.13	-549.71	-201.69	549.71	8.11	7.68	-2.65
8,999.00	83.76	184.12	8,638.30	-581.33	-204.27	581.33	8.51	7.81	-3.41
9,030.00	86.92	182.48	8,640.82	-612.17	-206.05	612.17	11.48	10.19	-5.29
9,093.00	91.53	179.82	8,641.67	-675.13	-207.31	675.13	8.45	7.32	-4.22
9,190.00	89.17	177.82	8,641.08	-772.10	-205.32	772.10	3.19	-2.43	-2.06
9,284.00	89.12	177.76	8,642.48	-866.02	-201.69	866.02	0.08	-0.05	-0.06
9,378.00	89.26	177.79	8,643.81	-959.94	-198.04	959.94	0.15	0.15	0.03
9,472.00	89.22	177.77	8,645.06	-1,053.86	-194.40	1,053.86	0.05	-0.04	-0.02
9,567.00	90.17	178.15	8,645.57	-1,148.80	-191.02	1,148.80	1.08	1.00	0.40
9,660.00	89.05	180.02	8,646.20	-1,241.78	-189.53	1,241.78	2.34	-1.20	2.01
9,755.00	88.99	179.72	8,647.82	-1,336.76	-189.32	1,336.76	0.32	-0.06	-0.32
9,848.00	89.57	180.39	8,648.99	-1,429.75	-189.41	1,429.75	0.95	0.62	0.72
9,941.00	89.62	180.01	8,649.65	-1,522.75	-189.73	1,522.75	0.41	0.05	-0.41
10,035.00	89.24	180.07	8,650.58	-1,616.75	-189.80	1,616.75	0.41	-0.40	0.06
10,129.00	90.00	180.79	8,651.21	-1,710.74	-190.50	1,710.74	1.11	0.81	0.77
10,223.00	90.32	180.68	8,650.95	-1,804.73	-191.71	1,804.73	0.36	0.34	-0.12
10,317.00	90.18	180.80	8,650.54	-1,898.72	-192.92	1,898.72	0.20	-0.15	0.13
10,411.00	91.50	182.17	8,649.16	-1,992.68	-195.36	1,992.68	2.02	1.40	1.46
10,506.00	90.81	182.15	8,647.24	-2,087.59	-198.94	2,087.59	0.73	-0.73	-0.02
10,600.00	92.44	183.84	8,644.58	-2,181.42	-203.85	2,181.42	2.50	1.73	1.80

Company: Chisholm Energy
Project: Eddy Co, NM

Site: Dark Canyon 15-22

Well: BS #4H

Wellbore: BS #4H

Design: BS #4H

Local Co-ordinate Reference: Well BS #4H
TVD Reference: Latshaw 7 @ 3352.40usft (Latshaw 7 (3326.4GL + 26KB = 3352.4))
MD Reference: Latshaw 7 @ 3352.40usft (Latshaw 7 (3326.4GL + 26KB = 3352.4))
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Gyrodata Compass DB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,695.00	90.28	181.26	8,642.32	-2,276.28	-208.07	2,276.28	3.54	-2.27	-2.72
10,789.00	90.18	180.72	8,641.94	-2,370.27	-209.70	2,370.27	0.58	-0.11	-0.57
10,883.00	90.88	180.85	8,641.08	-2,464.25	-210.98	2,464.25	0.76	0.74	0.14
10,977.00	90.48	180.51	8,639.96	-2,558.24	-212.10	2,558.24	0.56	-0.43	-0.36
11,071.00	90.38	180.14	8,639.25	-2,652.24	-212.63	2,652.24	0.41	-0.11	-0.39
11,166.00	92.51	178.81	8,636.86	-2,747.19	-211.76	2,747.19	2.64	2.24	-1.40
11,260.00	93.25	178.49	8,632.14	-2,841.05	-209.55	2,841.05	0.86	0.79	-0.34
11,355.00	90.88	179.05	8,628.71	-2,935.96	-207.51	2,935.96	2.56	-2.49	0.59
11,449.00	89.68	179.00	8,628.25	-3,029.94	-205.91	3,029.94	1.28	-1.28	-0.05
11,543.00	88.57	178.47	8,629.69	-3,123.91	-203.84	3,123.91	1.31	-1.18	-0.56
11,637.00	90.55	178.64	8,630.41	-3,217.87	-201.47	3,217.87	2.11	2.11	0.18
11,732.00	90.91	178.73	8,629.20	-3,312.84	-199.29	3,312.84	0.39	0.38	0.09
11,826.00	90.46	178.82	8,628.08	-3,406.81	-197.28	3,406.81	0.49	-0.48	0.10
11,920.00	90.94	178.92	8,626.93	-3,500.78	-195.43	3,500.78	0.52	0.51	0.11
12,014.00	90.90	179.31	8,625.42	-3,594.76	-193.97	3,594.76	0.42	-0.04	0.41
12,108.00	90.67	179.27	8,624.13	-3,688.74	-192.81	3,688.74	0.25	-0.24	-0.04
12,202.00	90.57	180.58	8,623.11	-3,782.73	-192.69	3,782.73	1.40	-0.11	1.39
12,297.00	90.39	180.70	8,622.32	-3,877.73	-193.75	3,877.73	0.23	-0.19	0.13
12,391.00	89.83	180.34	8,622.14	-3,971.72	-194.60	3,971.72	0.71	-0.60	-0.38
12,485.00	89.52	180.16	8,622.67	-4,065.72	-195.01	4,065.72	0.38	-0.33	-0.19
12,580.00	89.78	180.43	8,623.25	-4,160.72	-195.50	4,160.72	0.39	0.27	0.28
12,673.00	92.25	180.97	8,621.60	-4,253.69	-196.64	4,253.69	2.72	2.66	0.58
12,768.00	92.52	181.05	8,617.65	-4,348.59	-198.31	4,348.59	0.30	0.28	0.08
12,862.00	92.40	181.37	8,613.62	-4,442.48	-200.29	4,442.48	0.36	-0.13	0.34
12,956.00	92.80	181.34	8,609.35	-4,536.36	-202.51	4,536.36	0.43	0.43	-0.03
13,050.00	90.21	180.24	8,606.88	-4,630.31	-203.81	4,630.31	2.99	-2.76	-1.17
13,143.00	90.18	179.97	8,606.57	-4,723.31	-203.98	4,723.31	0.29	-0.03	-0.29
13,237.00	90.15	179.73	8,606.30	-4,817.31	-203.73	4,817.31	0.26	-0.03	-0.26
13,332.00	90.36	179.71	8,605.87	-4,912.30	-203.27	4,912.30	0.22	0.22	-0.02
13,426.00	92.25	179.93	8,603.73	-5,006.27	-202.97	5,006.27	2.02	2.01	0.23
13,520.00	90.91	180.58	8,601.14	-5,100.24	-203.39	5,100.24	1.58	-1.43	0.69
13,614.00	89.61	180.93	8,600.71	-5,194.22	-204.63	5,194.22	1.43	-1.38	0.37
13,707.00	90.00	181.01	8,601.03	-5,287.21	-206.20	5,287.21	0.43	0.42	0.09
13,802.00	88.35	181.54	8,602.40	-5,382.17	-208.32	5,382.17	1.82	-1.74	0.56
13,895.00	88.95	181.70	8,604.59	-5,475.11	-210.95	5,475.11	0.67	0.65	0.17
13,990.00	89.83	182.27	8,605.60	-5,570.05	-214.24	5,570.05	1.10	0.93	0.60
14,084.00	90.08	183.04	8,605.67	-5,663.94	-218.59	5,663.94	0.86	0.27	0.82
14,178.00	87.65	183.68	8,607.54	-5,757.76	-224.10	5,757.76	2.67	-2.59	0.68
14,272.00	87.77	183.95	8,611.29	-5,851.47	-230.35	5,851.47	0.31	0.13	0.29
14,367.00	86.25	182.51	8,616.25	-5,946.19	-235.69	5,946.19	2.20	-1.60	-1.52
14,461.00	88.98	181.87	8,620.16	-6,040.03	-239.28	6,040.03	2.98	2.90	-0.68
14,555.00	88.17	181.33	8,622.50	-6,133.96	-241.90	6,133.96	1.04	-0.86	-0.57



Gyrodata inc.
Survey Report

Company: Chisholm Energy
Project: Eddy Co, NM

Site: Dark Canyon 15-22

Well: BS #4H
Wellbore: BS #4H
Design: BS #4H

Local Co-ordinate Reference: Well BS #4H
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North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Gyrodata Compass DB

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
14,649.00	89.57	181.93	8,624.35	-6,227.90	-244.58	6,227.90	1.62	1.49	0.64
14,743.00	89.83	181.80	8,624.84	-6,321.85	-247.64	6,321.85	0.31	0.28	-0.14
14,837.00	87.82	180.38	8,626.77	-6,415.81	-249.42	6,415.81	2.62	-2.14	-1.51
14,931.00	87.34	179.33	8,630.74	-6,509.72	-249.19	6,509.72	1.23	-0.51	-1.12
15,026.00	87.18	179.32	8,635.28	-6,604.61	-248.07	6,604.61	0.17	-0.17	-0.01
15,120.00	86.63	179.15	8,640.36	-6,698.46	-246.82	6,698.46	0.61	-0.59	-0.18
15,214.00	87.90	179.62	8,644.84	-6,792.35	-245.81	6,792.35	1.44	1.35	0.50
15,309.00	89.78	180.40	8,646.76	-6,887.32	-245.83	6,887.32	2.14	1.98	0.82
15,403.00	89.96	180.42	8,646.98	-6,981.32	-246.50	6,981.32	0.19	0.19	0.02
15,497.00	88.66	180.13	8,648.11	-7,075.31	-246.95	7,075.31	1.42	-1.38	-0.31
15,590.00	87.38	179.93	8,651.32	-7,168.25	-247.00	7,168.25	1.39	-1.38	-0.22
15,684.00	86.85	179.99	8,656.05	-7,262.13	-246.93	7,262.13	0.57	-0.56	0.06
15,778.00	86.68	180.31	8,661.36	-7,355.98	-247.18	7,355.98	0.39	-0.18	0.34
15,835.00	86.11	180.56	8,664.94	-7,412.87	-247.61	7,412.87	1.09	-1.00	0.44
15,900.00	86.11	180.56	8,669.35	-7,477.71	-248.24	7,477.71	0.00	0.00	0.00
Projection									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
15,900.00	8,669.35	-7,477.71	-248.24	Projection

Checked By: _____ Approved By: _____ Date: _____