

Chisholm Energy Holdings, LLC

Eddy County, NM (NAD83)

Sec 15-T23S-R26E

Dark Canyon 15-22 State Com WCA 3H

Wellbore #1

Plan: Plan #1

NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 23 2018

RECEIVED

Standard Planning Report

26 January, 2018



INTEGRITY
DIRECTIONAL

Planning Report



EDM 5000.1	Well Dark Canyon 15-22 State Com WCA 3H
Chisholm Energy Holdings, LLC	KB=26 @ 3352.30ft (Latshaw 7)
Eddy County, NM (NAD83)	KB=26 @ 3352.30ft (Latshaw 7)
Sec 15-T23S-R26E	Grid
Dark Canyon 15-22 State Com WCA 3H	Minimum Curvature
Wellbore #1	
Plan #1	

Project:	Eddy County, NM (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Sec 15-T23S-R26E			
Site Position:		Northing:	477,089.9800 usft	Latitude:	32.311586
From:	Map	Easting:	554,828.5600 usft	Longitude:	-104.289664
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.02 °

Well:	Dark Canyon 15-22 State Com WCA 3H					
Well Position	+N/-S	-113.59 ft	Northing:	476,976.3900 usft	Latitude:	32.311273
	+E/-W	660.00 ft	Easting:	555,488.5600 usft	Longitude:	-104.287528
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	3,326.30 ft

Wellbore:	Wellbore #1				
Method:	HDGM	1/26/2018	7.42	60.02	48,009

Design:	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Wellhead Elevation	Depth from (TVD)	Depth	Depth	Direction
	0.00	0.00	0.00	180.00

Plan Sections									
Month	1	2	3	4	5	6	7	8	9
Year	1990	1991	1992	1993	1994	1995	1996	1997	1998
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,185.44	0.00	0.00	8,185.44	0.00	0.00	0.00	0.00	0.00	0.00
8,321.77	16.36	270.00	8,319.93	0.00	-19.33	12.00	12.00	0.00	270.00
9,068.58	89.60	180.00	8,778.31	-474.27	-152.92	12.00	9.81	-12.05	-90.11
16,099.33	89.60	180.00	8,827.40	-7,504.85	-152.93	0.00	0.00	0.00	0.00
PBHL 15-22 State Co									

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Station	Depth (ft)	True Azimuth (°)	True Dip (°)	True Azimuth (°)	True Dip (°)	True Azimuth (°)	True Dip (°)	True Azimuth (°)	True Dip (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LP 15-22 State Com WCA 3H									
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
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00

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Eddy County, NM (NAD83)	KB=26 @ 3352.30ft (Latshaw 7)
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Wellbore #1	
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Station	Interval	Depth	True	Surf	True	Surf	True	Surf	True	Surf
ft	ft	ft	ft	ft	ft	ft	ft	ft	ft	ft
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,185.44	0.00	0.00	8,185.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 12.00										
8,200.00	1.75	270.00	8,200.00	0.00	-0.22	0.00	12.00	12.00	0.00	0.00
8,225.00	4.75	270.00	8,224.95	0.00	-1.64	0.00	12.00	12.00	0.00	0.00
8,250.00	7.75	270.00	8,249.80	0.00	-4.36	0.00	12.00	12.00	0.00	0.00
8,275.00	10.75	270.00	8,274.48	0.00	-8.37	0.00	12.00	12.00	0.00	0.00
8,300.00	13.75	270.00	8,298.90	0.00	-13.68	0.00	12.00	12.00	0.00	0.00
8,321.77	16.36	270.00	8,319.93	0.00	-19.33	0.00	12.00	12.00	0.00	0.00
Start DLS 12.00 TFO -90.11										
8,325.00	16.36	268.63	8,323.02	-0.01	-20.24	0.01	12.00	0.11	-42.60	
8,350.00	16.69	258.13	8,347.00	-0.83	-27.28	0.83	12.00	1.31	-41.99	
8,375.00	17.52	248.31	8,370.90	-2.96	-34.29	2.96	12.00	3.31	-39.27	
8,400.00	18.78	239.56	8,394.66	-6.39	-41.26	6.39	12.00	5.05	-35.00	
8,425.00	20.40	232.01	8,418.21	-11.12	-48.16	11.12	12.00	6.47	-30.19	
8,450.00	22.29	225.61	8,441.50	-17.11	-54.99	17.11	12.00	7.57	-25.61	
8,475.00	24.40	220.21	8,464.45	-24.38	-61.71	24.38	12.00	8.42	-21.59	
8,500.00	26.67	215.65	8,487.01	-32.88	-68.31	32.88	12.00	9.07	-18.24	
8,525.00	29.06	211.78	8,509.12	-42.60	-74.78	42.60	12.00	9.57	-15.51	
8,550.00	31.55	208.45	8,530.70	-53.51	-81.10	53.51	12.00	9.95	-13.30	
8,575.00	34.11	205.57	8,551.71	-65.59	-87.24	65.59	12.00	10.25	-11.52	
8,600.00	36.73	203.05	8,572.08	-78.80	-93.19	78.80	12.00	10.48	-10.08	
8,625.00	39.40	200.82	8,591.76	-93.09	-98.94	93.09	12.00	10.67	-8.90	
8,650.00	42.10	198.84	8,610.70	-108.44	-104.47	108.44	12.00	10.82	-7.94	
8,675.00	44.84	197.05	8,628.84	-124.81	-109.76	124.81	12.00	10.95	-7.15	
8,700.00	47.60	195.43	8,646.14	-142.13	-114.80	142.13	12.00	11.05	-6.49	

Planning Report



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Sec 15-T23S-R26E	Grid
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Wellbore #1	
Plan #1	

Depth (ft)	Polynomial	Interval (ft)	Depth (ft)	Interval (ft)	Depth (ft)	Interval (ft)	Depth (ft)	Interval (ft)	Depth (ft)
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
8,725.00	50.39	193.94	8,662.54	-160.38	-119.58	160.38	12.00	11.13	-5.94
8,750.00	53.19	192.58	8,678.00	-179.50	-124.08	179.50	12.00	11.20	-5.48
8,775.00	56.00	191.30	8,692.49	-199.43	-128.29	199.43	12.00	11.26	-5.09
8,800.00	58.83	190.11	8,705.95	-220.13	-132.20	220.13	12.00	11.31	-4.76
8,825.00	61.67	188.99	8,718.36	-241.53	-135.80	241.53	12.00	11.35	-4.49
8,850.00	64.51	187.93	8,729.67	-263.58	-139.07	263.58	12.00	11.39	-4.25
8,875.00	67.37	186.91	8,739.86	-286.21	-142.02	286.21	12.00	11.41	-4.06
8,900.00	70.23	185.94	8,748.90	-309.37	-144.63	309.37	12.00	11.44	-3.89
8,925.00	73.09	185.00	8,756.77	-332.99	-146.89	332.99	12.00	11.46	-3.75
8,950.00	75.96	184.09	8,763.44	-357.01	-148.80	357.01	12.00	11.48	-3.64
8,975.00	78.83	183.21	8,768.90	-381.35	-150.35	381.35	12.00	11.49	-3.55
9,000.00	81.71	182.34	8,773.12	-405.96	-151.54	405.96	12.00	11.50	-3.48
9,025.00	84.58	181.48	8,776.10	-430.76	-152.36	430.76	12.00	11.51	-3.43
9,050.00	87.46	180.63	8,777.84	-455.70	-152.82	455.70	12.00	11.51	-3.40
9,068.58	89.60	180.00	8,778.31	-474.27	-152.92	474.27	12.00	11.51	-3.38
Start 7030.75 hold at 9068.58 MD									
9,100.00	89.60	180.00	8,778.53	-505.69	-152.92	505.69	0.00	0.00	0.00
9,200.00	89.60	180.00	8,779.23	-605.69	-152.92	605.69	0.00	0.00	0.00
9,300.00	89.60	180.00	8,779.93	-705.68	-152.92	705.68	0.00	0.00	0.00
9,400.00	89.60	180.00	8,780.63	-805.68	-152.92	805.68	0.00	0.00	0.00
9,500.00	89.60	180.00	8,781.33	-905.68	-152.92	905.68	0.00	0.00	0.00
9,600.00	89.60	180.00	8,782.02	-1,005.68	-152.92	1,005.68	0.00	0.00	0.00
9,700.00	89.60	180.00	8,782.72	-1,105.67	-152.92	1,105.67	0.00	0.00	0.00
9,800.00	89.60	180.00	8,783.42	-1,205.67	-152.92	1,205.67	0.00	0.00	0.00
9,900.00	89.60	180.00	8,784.12	-1,305.67	-152.92	1,305.67	0.00	0.00	0.00
10,000.00	89.60	180.00	8,784.82	-1,405.67	-152.92	1,405.67	0.00	0.00	0.00
10,100.00	89.60	180.00	8,785.52	-1,505.66	-152.92	1,505.66	0.00	0.00	0.00
10,200.00	89.60	180.00	8,786.21	-1,605.66	-152.92	1,605.66	0.00	0.00	0.00
10,300.00	89.60	180.00	8,786.91	-1,705.66	-152.92	1,705.66	0.00	0.00	0.00
10,400.00	89.60	180.00	8,787.61	-1,805.66	-152.92	1,805.66	0.00	0.00	0.00
10,500.00	89.60	180.00	8,788.31	-1,905.65	-152.92	1,905.65	0.00	0.00	0.00
10,600.00	89.60	180.00	8,789.01	-2,005.65	-152.92	2,005.65	0.00	0.00	0.00
10,700.00	89.60	180.00	8,789.70	-2,105.65	-152.92	2,105.65	0.00	0.00	0.00
10,800.00	89.60	180.00	8,790.40	-2,205.65	-152.92	2,205.65	0.00	0.00	0.00
10,900.00	89.60	180.00	8,791.10	-2,305.65	-152.92	2,305.65	0.00	0.00	0.00
11,000.00	89.60	180.00	8,791.80	-2,405.64	-152.92	2,405.64	0.00	0.00	0.00
11,100.00	89.60	180.00	8,792.50	-2,505.64	-152.92	2,505.64	0.00	0.00	0.00
11,200.00	89.60	180.00	8,793.19	-2,605.64	-152.92	2,605.64	0.00	0.00	0.00
11,300.00	89.60	180.00	8,793.89	-2,705.64	-152.92	2,705.64	0.00	0.00	0.00
11,400.00	89.60	180.00	8,794.59	-2,805.63	-152.92	2,805.63	0.00	0.00	0.00
11,500.00	89.60	180.00	8,795.29	-2,905.63	-152.92	2,905.63	0.00	0.00	0.00
11,600.00	89.60	180.00	8,795.99	-3,005.63	-152.92	3,005.63	0.00	0.00	0.00
11,700.00	89.60	180.00	8,796.69	-3,105.63	-152.92	3,105.63	0.00	0.00	0.00
11,800.00	89.60	180.00	8,797.38	-3,205.62	-152.92	3,205.62	0.00	0.00	0.00
11,900.00	89.60	180.00	8,798.08	-3,305.62	-152.92	3,305.62	0.00	0.00	0.00
12,000.00	89.60	180.00	8,798.78	-3,405.62	-152.92	3,405.62	0.00	0.00	0.00
12,100.00	89.60	180.00	8,799.48	-3,505.62	-152.92	3,505.62	0.00	0.00	0.00
12,200.00	89.60	180.00	8,800.18	-3,605.61	-152.92	3,605.61	0.00	0.00	0.00
12,300.00	89.60	180.00	8,800.87	-3,705.61	-152.92	3,705.61	0.00	0.00	0.00
12,400.00	89.60	180.00	8,801.57	-3,805.61	-152.92	3,805.61	0.00	0.00	0.00
12,500.00	89.60	180.00	8,802.27	-3,905.61	-152.92	3,905.61	0.00	0.00	0.00
12,600.00	89.60	180.00	8,802.97	-4,005.60	-152.92	4,005.60	0.00	0.00	0.00
12,700.00	89.60	180.00	8,803.67	-4,105.60	-152.92	4,105.60	0.00	0.00	0.00

Planning Report



EDM 5000.1	Well Dark Canyon 15-22 State Com WCA 3H
Chisholm Energy Holdings, LLC	KB=26 @ 3352.30ft (Latshaw 7)
Eddy County, NM (NAD83)	KB=26 @ 3352.30ft (Latshaw 7)
Sec 15-T23S-R26E	Grid
Dark Canyon 15-22 State Com WCA 3H	Minimum Curvature
Wellbore #1	
Plan #1	

Depth (ft)	Pressure (psi)	Temperature (°F)	Flow Rate (bbl/d)	Viscosity (cP)	Specific Gravity	API Gravity	Gas Solubility (vol %)	Surface Tension (dyne/cm)	Interfacial Tension (dyne/cm)	Surfactant Concentration (ppm)
12,800.00	89.60	180.00	8,804.36	-4,205.60	-152.92	4,205.60	0.00	0.00	0.00	
12,900.00	89.60	180.00	8,805.06	-4,305.60	-152.92	4,305.60	0.00	0.00	0.00	
13,000.00	89.60	180.00	8,805.76	-4,405.59	-152.92	4,405.59	0.00	0.00	0.00	
13,100.00	89.60	180.00	8,806.46	-4,505.59	-152.92	4,505.59	0.00	0.00	0.00	
13,200.00	89.60	180.00	8,807.16	-4,605.59	-152.92	4,605.59	0.00	0.00	0.00	
13,300.00	89.60	180.00	8,807.86	-4,705.59	-152.92	4,705.59	0.00	0.00	0.00	
13,400.00	89.60	180.00	8,808.55	-4,805.58	-152.92	4,805.58	0.00	0.00	0.00	
13,500.00	89.60	180.00	8,809.25	-4,905.58	-152.92	4,905.58	0.00	0.00	0.00	
13,600.00	89.60	180.00	8,809.95	-5,005.58	-152.92	5,005.58	0.00	0.00	0.00	
13,700.00	89.60	180.00	8,810.65	-5,105.58	-152.92	5,105.58	0.00	0.00	0.00	
13,800.00	89.60	180.00	8,811.35	-5,205.57	-152.92	5,205.57	0.00	0.00	0.00	
13,900.00	89.60	180.00	8,812.04	-5,305.57	-152.92	5,305.57	0.00	0.00	0.00	
14,000.00	89.60	180.00	8,812.74	-5,405.57	-152.92	5,405.57	0.00	0.00	0.00	
14,100.00	89.60	180.00	8,813.44	-5,505.57	-152.92	5,505.57	0.00	0.00	0.00	
14,200.00	89.60	180.00	8,814.14	-5,605.56	-152.92	5,605.56	0.00	0.00	0.00	
14,300.00	89.60	180.00	8,814.84	-5,705.56	-152.92	5,705.56	0.00	0.00	0.00	
14,400.00	89.60	180.00	8,815.53	-5,805.56	-152.92	5,805.56	0.00	0.00	0.00	
14,500.00	89.60	180.00	8,816.23	-5,905.56	-152.92	5,905.56	0.00	0.00	0.00	
14,600.00	89.60	180.00	8,816.93	-6,005.56	-152.92	6,005.56	0.00	0.00	0.00	
14,700.00	89.60	180.00	8,817.63	-6,105.55	-152.92	6,105.55	0.00	0.00	0.00	
14,800.00	89.60	180.00	8,818.33	-6,205.55	-152.92	6,205.55	0.00	0.00	0.00	
14,900.00	89.60	180.00	8,819.03	-6,305.55	-152.92	6,305.55	0.00	0.00	0.00	
15,000.00	89.60	180.00	8,819.72	-6,405.55	-152.92	6,405.55	0.00	0.00	0.00	
15,100.00	89.60	180.00	8,820.42	-6,505.54	-152.92	6,505.54	0.00	0.00	0.00	
15,200.00	89.60	180.00	8,821.12	-6,605.54	-152.92	6,605.54	0.00	0.00	0.00	
15,300.00	89.60	180.00	8,821.82	-6,705.54	-152.92	6,705.54	0.00	0.00	0.00	
15,400.00	89.60	180.00	8,822.52	-6,805.54	-152.92	6,805.54	0.00	0.00	0.00	
15,500.00	89.60	180.00	8,823.21	-6,905.53	-152.92	6,905.53	0.00	0.00	0.00	
15,600.00	89.60	180.00	8,823.91	-7,005.53	-152.92	7,005.53	0.00	0.00	0.00	
15,700.00	89.60	180.00	8,824.61	-7,105.53	-152.92	7,105.53	0.00	0.00	0.00	
15,800.00	89.60	180.00	8,825.31	-7,205.53	-152.92	7,205.53	0.00	0.00	0.00	
15,900.00	89.60	180.00	8,826.01	-7,305.52	-152.92	7,305.52	0.00	0.00	0.00	
16,000.00	89.60	180.00	8,826.70	-7,405.52	-152.92	7,405.52	0.00	0.00	0.00	
16,099.33	89.60	180.00	8,827.40	-7,504.85	-152.92	7,504.85	0.00	0.00	0.00	
TD at 16099.33 - PBHL 15-22 State Com WCA 3H										

Depth (ft)	Pressure (psi)	Temperature (°F)	Flow Rate (bbl/d)	Viscosity (cP)	Specific Gravity	API Gravity	Gas Solubility (vol %)	Surface Tension (dyne/cm)	Interfacial Tension (dyne/cm)	Surfactant Concentration (ppm)
LP 15-22 State Com WC	0.00	0.00	0.00	-243.98	-159.77	476,732.4100	555,328.7900	32.310602	-104.288045	
- plan misses target center by 291.64ft at 0.00ft MD (0.00 TVD, 0.00 N, 0.00 E)										
- Point										
PBHL 15-22 State Com '	0.00	0.00	8,827.40	-7,504.85	-152.93	469,471.5600	555,335.6300	32.290643	-104.288033	
- plan misses target center by 0.01ft at 16099.33ft MD (8827.40 TVD, -7504.85 N, -152.92 E)										
- Point										

Planning Report



EDM 5000.1	Well Dark Canyon 15-22 State Com WCA 3H
Chisholm Energy Holdings, LLC	KB=26 @ 3352.30ft (Latshaw 7)
Eddy County, NM (NAD83)	KB=26 @ 3352.30ft (Latshaw 7)
Sec 15-T23S-R26E	Grid
Dark Canyon 15-22 State Com WCA 3H	Minimum Curvature
Wellbore #1	
Plan #1	

Station	Station	Station	Station	Station
8,185.44	8,185.44	0.00	0.00	Start Build 12.00
8,321.77	8,319.93	0.00	-19.33	Start DLS 12.00 TFO -90.11
9,068.58	8,778.31	-474.27	-152.92	Start 7030.75 hold at 9068.58 MD
16,099.33	8,827.40	-7,504.85	-152.93	TD at 16099.33