



B.C Operating, Inc.

Lea County

Chili Parlor 17 Federal #2H

Plan: 140919 Chili Parlor 17 Federal #2H

MOJO Standard Plan

19 September, 2014



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Company: BC Operating, Inc. Project: Lea County Site: Chili Parlor 17 Federal #2H Well: Chili Parlor 17 Federal #2H Wellbore: Chili Parlor 17 Federal #2H Design: 140919 Chili Parlor 17 Federal #2H	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Database:	Well: Chili Parlor 17 Federal #2H WELL @ 3614.0usft (Original Well Elev) WELL @ 3614.0usft (Original Well Elev) Grid: Minimum Curvature EDM 5000.1 Single User Db	Well: Chili Parlor 17 Federal #2H WELL @ 3614.0usft (Original Well Elev) WELL @ 3614.0usft (Original Well Elev) Grid: Minimum Curvature EDM 5000.1 Single User Db
Project: Lea County		System Datum: Mean Sea Level	
Map System: US State Plane 1983 Geo Datum: North American Datum 1983 Map Zone: New Mexico Eastern Zone			
Site: Chili Parlor 17 Federal #2H			
Site Position: From: Map Position Uncertainty: 0.0 usft	Northings: Easting: Slot Radius:	509,951.79 usft 771,625.59 usft 13-3/16 "	Latitude: Longitude: Grid Convergence:
			32° 23' 58.980 N 103° 35' 13.898 W 0.40 °
Well: Chili Parlor 17 Federal #2H			
Well Position +N/-S +E/-W Position Uncertainty	Northings: Easting: Wellhead Elevation:	509,951.79 usft 771,625.59 usft usft	Latitude: Longitude: Ground Level:
			32° 23' 58.980 N 103° 35' 13.898 W 3,592.0 usft
Wellbore: Chili Parlor 17 Federal #2H			
Magnetics Model Name: Sample Date: IGRF2010	Declination: Dip Angle: Field Strength:	7.20 60.26 48.392	
Design: 140919 Chili Parlor 17 Federal #2H			
Audit Notes: Version:	Phase: PLAN Tie On Depth: 0.0		
Vertical Section: Depth From (TVD) From (usft) To (usft)	+N/-S +E/-W Direction: (usft)	0.0 0.0 182.73	
Survey Tool/Program			
From (usft) To (usft) Survey (Wellbore)	Date: 19/09/2014 Tool Name: Description:		
0.0	16,864.0	140919 Chili Parlor 17 Federal #2H (Chili P	

Company: B-C Operating, Inc.		Local Co-ordinate Reference:		Well Chilli Parlor 17 Federal #2H						
Project: Lea County		TVD Reference:		WELL @ 3614.0usft (Original Well Elev)						
Site: Chilli Parlor 17 Federal #2H		MD Reference:		WELL @ 3614.0usft (Original Well Elev)						
Well: Chilli Parlor 17 Federal #2H		North Reference:		Grid						
Wellbore: Chilli Parlor 17 Federal #2H		Survey Calculation Method:		Minimum Curvature						
Design: 140919 Chilli Parlor 17 Federal #2H		Database:		EDM 5000 1 Single User Db						
Planned Survey										
IMD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDS (usft)	N/S (usft)	E/W (usft)	V/Sec (usft)	Disg (#/100usft)	Northing (usft)	Easting (usft)
0.0	0.00	0.00	0.0	-3,614.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
100.0	0.00	0.00	100.0	-3,514.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
200.0	0.00	0.00	200.0	-3,414.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
300.0	0.00	0.00	300.0	-3,314.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
400.0	0.00	0.00	400.0	-3,214.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
500.0	0.00	0.00	500.0	-3,114.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
600.0	0.00	0.00	600.0	-3,014.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
700.0	0.00	0.00	700.0	-2,914.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
800.0	0.00	0.00	800.0	-2,814.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
900.0	0.00	0.00	900.0	-2,714.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
966.0	0.00	0.00	966.0	-2,648.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
Rustler										
1,000.0	0.00	0.00	1,000.0	-2,614.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
1,075.0	0.00	0.00	1,075.0	-2,539.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
13 3/8"										
1,100.0	0.00	0.00	1,100.0	-2,514.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
1,116.0	0.00	0.00	1,116.0	-2,498.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
Top of Salt										
1,200.0	0.00	0.00	1,200.0	-2,414.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
1,300.0	0.00	0.00	1,300.0	-2,314.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
1,400.0	0.00	0.00	1,400.0	-2,214.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
1,500.0	0.00	0.00	1,500.0	-2,114.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
1,600.0	0.00	0.00	1,600.0	-2,014.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
1,700.0	0.00	0.00	1,700.0	-1,914.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
1,800.0	0.00	0.00	1,800.0	-1,814.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
1,900.0	0.00	0.00	1,900.0	-1,714.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
2,000.0	0.00	0.00	2,000.0	-1,614.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59
2,100.0	0.00	0.00	2,100.0	-1,514.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59

Company: Project: Site: Well: Wellbore: Design:			B.C. Operating, Inc. Lea County Chili Parlor 17 Federal #2H Chili Parlor 17 Federal #2H Chili Parlor 17 Federal #2H 140919 Chili Parlor 17 Federal #2H			Local Co-ordinating Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Database:					Well Chili Parlor 17 Federal #2H WELL @ 3614.0usft (Original Well Elev) WELL @ 3614.0usft (Original Well Elev) Grid Minimum Curvature EDM 5000:1 Single User Db				
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVSS (usft)	N/S (usft)	E/W (usft)	V,Sec (usft)	DLeg (1/100usft)	Northing (usft)	Easting (usft)					
2,200.0	0.00	0.00	2,200.0	-1,414.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
2,300.0	0.00	0.00	2,300.0	-1,314.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
2,400.0	0.00	0.00	2,400.0	-1,214.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
2,500.0	0.00	0.00	2,500.0	-1,114.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
2,600.0	0.00	0.00	2,600.0	-1,014.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
2,700.0	0.00	0.00	2,700.0	-914.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
2,800.0	0.00	0.00	2,800.0	-814.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
2,900.0	0.00	0.00	2,900.0	-714.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
3,000.0	0.00	0.00	3,000.0	-614.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
3,100.0	0.00	0.00	3,100.0	-514.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
3,156.0	0.00	0.00	3,156.0	-458.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
Castile															
3,200.0	0.00	0.00	3,200.0	-414.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
3,300.0	0.00	0.00	3,300.0	-314.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
3,400.0	0.00	0.00	3,400.0	-214.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
3,500.0	0.00	0.00	3,500.0	-114.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
3,600.0	0.00	0.00	3,600.0	-14.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
3,700.0	0.00	0.00	3,700.0	86.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
3,800.0	0.00	0.00	3,800.0	186.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
3,900.0	0.00	0.00	3,900.0	286.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
4,000.0	0.00	0.00	4,000.0	386.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
4,100.0	0.00	0.00	4,100.0	486.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
4,200.0	0.00	0.00	4,200.0	586.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
4,300.0	0.00	0.00	4,300.0	686.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
4,400.0	0.00	0.00	4,400.0	786.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
4,500.0	0.00	0.00	4,500.0	886.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
4,600.0	0.00	0.00	4,600.0	986.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					

Company: Project: Site: Well: Wellbore: Design:			B-C Operating, Inc. Lea County Chili Parlor 17 Federal #2H Chili Parlor 17 Federal #2H Chili Parlor 17 Federal #2H 140919, Chili Parlor 17 Federal #2H			Local Coordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Database:				Well Chili Parlor 17 Federal #2H WELL @ 3614.0usft (Original Well Elev) WELL @ 3614.0usft (Original Well Elev) Grid: Minimum Curvature EDM:5000.1;Single User Db			
Planned Survey													
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	EWI (usft)	V. Sec (usft)	Plot (7200usft)	Northing (usft)	Easting (usft)			
4,700.0	0.00	0.00	4,700.0	1,086.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
4,800.0	0.00	0.00	4,800.0	1,186.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
4,871.0	0.00	0.00	4,871.0	1,257.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
Lamar													
4,900.0	0.00	0.00	4,900.0	1,286.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
9 5/8"													
4,946.0	0.00	0.00	4,946.0	1,332.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
Delaware													
5,000.0	0.00	0.00	5,000.0	1,386.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
5,100.0	0.00	0.00	5,100.0	1,486.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
5,200.0	0.00	0.00	5,200.0	1,586.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
5,300.0	0.00	0.00	5,300.0	1,686.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
5,400.0	0.00	0.00	5,400.0	1,786.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
5,500.0	0.00	0.00	5,500.0	1,886.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
5,600.0	0.00	0.00	5,600.0	1,986.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
5,700.0	0.00	0.00	5,700.0	2,086.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
5,800.0	0.00	0.00	5,800.0	2,186.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
5,900.0	0.00	0.00	5,900.0	2,286.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
6,000.0	0.00	0.00	6,000.0	2,386.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
6,100.0	0.00	0.00	6,100.0	2,486.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
6,200.0	0.00	0.00	6,200.0	2,586.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
6,300.0	0.00	0.00	6,300.0	2,686.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
6,400.0	0.00	0.00	6,400.0	2,786.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
6,500.0	0.00	0.00	6,500.0	2,886.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
6,600.0	0.00	0.00	6,600.0	2,986.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
6,700.0	0.00	0.00	6,700.0	3,086.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			
6,800.0	0.00	0.00	6,800.0	3,186.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59			

Company		B.C. Operating, Inc.		Local Co-ordinate Reference										Well: Chili Parlor 17, Federal #2H	
Project:		Lea County		TVD Reference:										WELL @ 3614.0ust (Original Well Elev)	
Site:		Chili Parlor 17, Federal #2H		MD Reference:										WELL @ 3614.0ust (Original Well Elev)	
Well:		Chili Parlor 17, Federal #2H		North Reference:										Grid	
Wellbore:		Chili Parlor 17, Federal #2H		Survey Calculation Method:										Minimum Curvature	
Design:		140919 Chili Parlor 17, Federal #2H		Database:										EDM 5000:1 Single User Db	
Planned Survey															
MD (ust)	Inc (°)	Azi (azimuth) (°)	TVD (ust)	TVSS (ust)	N/S (ust)	E/W (ust)	V. Sec (ust)	D Leg (/100ust)	Northing (ust)	Easting (ust)					
6,900.0	0.00	0.00	6,900.0	3,286.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
7,000.0	0.00	0.00	7,000.0	3,386.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
7,100.0	0.00	0.00	7,100.0	3,486.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
7,200.0	0.00	0.00	7,200.0	3,586.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
7,300.0	0.00	0.00	7,300.0	3,686.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
7,400.0	0.00	0.00	7,400.0	3,786.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
7,500.0	0.00	0.00	7,500.0	3,886.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
7,600.0	0.00	0.00	7,600.0	3,986.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
7,700.0	0.00	0.00	7,700.0	4,086.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
7,800.0	0.00	0.00	7,800.0	4,186.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
7,900.0	0.00	0.00	7,900.0	4,286.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
8,000.0	0.00	0.00	8,000.0	4,386.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
8,100.0	0.00	0.00	8,100.0	4,486.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
8,200.0	0.00	0.00	8,200.0	4,586.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
8,300.0	0.00	0.00	8,300.0	4,686.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
8,400.0	0.00	0.00	8,400.0	4,786.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
8,500.0	0.00	0.00	8,500.0	4,886.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
8,600.0	0.00	0.00	8,600.0	4,986.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
8,700.0	0.00	0.00	8,700.0	5,086.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
8,701.0	0.00	0.00	8,701.0	5,087.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
Bone Spring															
8,800.0	0.00	0.00	8,800.0	5,186.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
8,900.0	0.00	0.00	8,900.0	5,286.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
9,000.0	0.00	0.00	9,000.0	5,386.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
9,100.0	0.00	0.00	9,100.0	5,486.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
9,200.0	0.00	0.00	9,200.0	5,586.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					
9,300.0	0.00	0.00	9,300.0	5,686.0	0.0	0.0	0.0	0.0	509,951.79	771,625.59					

Company:				Local/Coordinate Reference:				Well/Chili Parlor 17 Federal #2H			
Project:				TVD Reference:				WELL @ 3614 Oust (Original Well Elev)			
Site:				MD Reference:				WELL @ 3614 Oust (Original Well Elev)			
Well:				North Reference:				Grid			
Wellbore:				Survey/Calculation Method:				Minimum Curvature			
Design:				Database:				EDM 5000, 1 Single User Db			
Planned Survey											
MD	Inc	Azi (azimuth)	TVD	TVDSS	N/S	E/W	V. Sec	D/deg	Northing	Eastng	
(ust)	(°)	(°)	(ust)	(ust)	(ust)	(ust)	(ust)	(/100ust)	(ust)	(ust)	
9,400.0	0.00	0.00	9,400.0	5,786.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
9,500.0	0.00	0.00	9,500.0	5,886.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
9,600.0	0.00	0.00	9,600.0	5,986.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
9,700.0	0.00	0.00	9,700.0	6,086.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
9,800.0	0.00	0.00	9,800.0	6,186.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
9,900.0	0.00	0.00	9,900.0	6,286.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
9,911.0	0.00	0.00	9,911.0	6,297.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
1st Bone Spring Sand											
10,000.0	0.00	0.00	10,000.0	6,386.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
10,100.0	0.00	0.00	10,100.0	6,486.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
10,200.0	0.00	0.00	10,200.0	6,586.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
10,300.0	0.00	0.00	10,300.0	6,686.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
10,400.0	0.00	0.00	10,400.0	6,786.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
10,500.0	0.00	0.00	10,500.0	6,886.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
10,536.0	0.00	0.00	10,536.0	6,922.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
2nd Bone Spring Sand											
10,600.0	0.00	0.00	10,600.0	6,986.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
10,700.0	0.00	0.00	10,700.0	7,086.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
10,800.0	0.00	0.00	10,800.0	7,186.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
10,900.0	0.00	0.00	10,900.0	7,286.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
11,000.0	0.00	0.00	11,000.0	7,386.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
11,100.0	0.00	0.00	11,100.0	7,486.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
11,200.0	0.00	0.00	11,200.0	7,586.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
11,252.0	0.00	0.00	11,252.0	7,638.0	0.0	0.0	0.0	0.00	509,951.79	771,625.59	
11,300.0	4.80	182.73	11,299.9	7,685.9	-2.0	-0.1	2.0	10.00	509,949.78	771,625.49	
11,350.0	9.80	182.73	11,349.5	7,735.5	-8.4	-0.4	8.4	10.00	509,943.44	771,625.19	
11,400.0	14.80	182.73	11,398.4	7,784.4	-19.0	-0.9	19.0	10.00	509,932.80	771,624.68	

Company		B.C. Operating, Inc.		Lea County		Chilli Parlor 17 Federal #2H		Chilli Parlor 17 Federal #2H		Chilli Parlor 17 Federal #2H		140919 Chilli Parlor 17 Federal #2H		Wellbore Design		Local Coordinate Reference		Well Chilli Parlor 17 Federal #2H	
Project	Site	Well	Wellbore	Design	MD (usft)	Inc. (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V/Sec (usft)	D/Leg. (°/100usft)	Northing (usft)	Easting (usft)	Grid	Minimum Curvature	EDM:5000:1 Single User Db	
					11,450.0	19.80	182.73	11,446.1	7,832.1	-33.8	-1.6	33.9	10.00	509,917.96	771,623.98				
					11,500.0	24.80	182.73	11,492.3	7,878.3	-52.8	-2.5	52.8	10.00	509,899.01	771,623.07				
					11,550.0	29.80	182.73	11,536.7	7,922.7	-75.7	-3.6	75.8	10.00	509,876.11	771,621.98				
					11,600.0	34.80	182.73	11,579.0	7,965.0	-102.4	-4.9	102.5	10.00	509,849.43	771,620.71				
					11,650.0	39.80	182.73	11,618.8	8,004.8	-132.6	-6.3	132.8	10.00	509,819.18	771,619.27				
					11,700.0	44.80	182.73	11,655.7	8,041.7	-166.2	-7.9	166.4	10.00	509,785.58	771,617.66				
					11,750.0	49.80	182.73	11,689.6	8,075.6	-202.9	-9.7	203.1	10.00	509,748.88	771,615.91				
					11,800.0	54.80	182.73	11,720.2	8,106.2	-242.4	-11.6	242.7	10.00	509,709.38	771,614.03				
					11,850.0	59.80	182.73	11,747.2	8,133.2	-284.4	-13.6	284.7	10.00	509,667.36	771,612.03				
					11,900.0	64.80	182.73	11,770.4	8,156.4	-328.6	-15.7	329.0	10.00	509,623.16	771,609.92				
					11,950.0	69.80	182.73	11,789.7	8,175.7	-374.7	-17.9	375.1	10.00	509,577.10	771,607.72				
					12,000.0	74.80	182.73	11,804.9	8,190.9	-422.3	-20.1	422.7	10.00	509,529.54	771,605.46				
					12,050.0	79.80	182.73	11,815.9	8,201.9	-471.0	-22.5	471.5	10.00	509,480.83	771,603.13				
					12,100.0	84.80	182.73	11,822.6	8,208.6	-520.4	-24.8	521.0	10.00	509,431.35	771,600.77				
					12,152.0	90.00	182.73	11,825.0	8,211.0	-572.3	-27.3	573.0	10.00	509,379.48	771,598.30				
					12,200.0	90.00	182.73	11,825.0	8,211.0	-620.3	-29.6	621.0	0.00	509,331.54	771,596.01				
					12,300.0	90.00	182.73	11,825.0	8,211.0	-720.1	-34.3	721.0	0.00	509,231.65	771,591.25				
					12,400.0	90.00	182.73	11,825.0	8,211.0	-820.0	-39.1	821.0	0.00	509,131.76	771,586.49				
					12,500.0	90.00	182.73	11,825.0	8,211.0	-919.9	-43.9	921.0	0.00	509,031.88	771,581.73				
					12,600.0	90.00	182.73	11,825.0	8,211.0	-1,019.8	-48.6	1,021.0	0.00	508,931.99	771,576.96				
					12,700.0	90.00	182.73	11,825.0	8,211.0	-1,119.7	-53.4	1,121.0	0.00	508,832.10	771,572.20				
					12,800.0	90.00	182.73	11,825.0	8,211.0	-1,219.6	-58.2	1,221.0	0.00	508,732.22	771,567.44				
					12,900.0	90.00	182.73	11,825.0	8,211.0	-1,319.5	-62.9	1,321.0	0.00	508,632.33	771,562.67				
					13,000.0	90.00	182.73	11,825.0	8,211.0	-1,419.3	-67.7	1,421.0	0.00	508,532.44	771,557.91				
					13,100.0	90.00	182.73	11,825.0	8,211.0	-1,519.2	-72.4	1,521.0	0.00	508,432.56	771,553.15				
					13,200.0	90.00	182.73	11,825.0	8,211.0	-1,619.1	-77.2	1,621.0	0.00	508,332.67	771,548.38				
					13,300.0	90.00	182.73	11,825.0	8,211.0	-1,719.0	-82.0	1,721.0	0.00	508,232.79	771,543.62				

Company: Project: Site: Well: Wellbore: Design:		B/C Operating, Inc. Lea County Chili Parlor 17 Federal #2H Chili Parlor 17 Federal #2H Chili Parlor 17 Federal #2H 140919 Chili Parlor 17 Federal #2H		Local Co-ordinate Reference TVD Reference MD Reference North Reference Survey Calculation Method Database:				Well Chili Parlor 17 Federal #2H WELL @ 3614.0ust (Original Well Elev.) WELL @ 3614.0ust (Original Well Elev.) Grid Minimum Curvature EDM: 5000.1 Single User Db			
Planned Survey	MD (ust)	Inc (°)	Azi (azimuth) (°)	TVD (ust)	TVDSS (ust)	N/S (ust)	E/W (ust)	V/Sec (ust)	D/leg (°/100ust)	Northing (ust)	Easting (ust)
	13,400.0	90.00	182.73	11,825.0	8,211.0	-1,818.9	-86.7	1,821.0	0.00	508,132.90	771,538.86
	13,500.0	90.00	182.73	11,825.0	8,211.0	-1,918.8	-91.5	1,921.0	0.00	508,033.01	771,534.10
	13,600.0	90.00	182.73	11,825.0	8,211.0	-2,018.7	-96.3	2,021.0	0.00	507,933.13	771,529.33
	13,700.0	90.00	182.73	11,825.0	8,211.0	-2,118.6	-101.0	2,121.0	0.00	507,833.24	771,524.57
	13,800.0	90.00	182.73	11,825.0	8,211.0	-2,218.4	-105.8	2,221.0	0.00	507,733.35	771,519.81
	13,900.0	90.00	182.73	11,825.0	8,211.0	-2,318.3	-110.5	2,321.0	0.00	507,633.47	771,515.04
	14,000.0	90.00	182.73	11,825.0	8,211.0	-2,418.2	-115.3	2,421.0	0.00	507,533.58	771,510.28
	14,100.0	90.00	182.73	11,825.0	8,211.0	-2,518.1	-120.1	2,521.0	0.00	507,433.69	771,505.52
	14,200.0	90.00	182.73	11,825.0	8,211.0	-2,618.0	-124.8	2,621.0	0.00	507,333.81	771,500.76
	14,300.0	90.00	182.73	11,825.0	8,211.0	-2,717.9	-129.6	2,721.0	0.00	507,233.92	771,495.99
	14,400.0	90.00	182.73	11,825.0	8,211.0	-2,817.8	-134.4	2,821.0	0.00	507,134.03	771,491.23
	14,500.0	90.00	182.73	11,825.0	8,211.0	-2,917.6	-139.1	2,921.0	0.00	507,034.15	771,486.47
	14,600.0	90.00	182.73	11,825.0	8,211.0	-3,017.5	-143.9	3,021.0	0.00	506,934.26	771,481.70
	14,700.0	90.00	182.73	11,825.0	8,211.0	-3,117.4	-148.6	3,121.0	0.00	506,834.37	771,476.94
	14,800.0	90.00	182.73	11,825.0	8,211.0	-3,217.3	-153.4	3,221.0	0.00	506,734.49	771,472.18
	14,900.0	90.00	182.73	11,825.0	8,211.0	-3,317.2	-158.2	3,321.0	0.00	506,634.60	771,467.41
	15,000.0	90.00	182.73	11,825.0	8,211.0	-3,417.1	-162.9	3,421.0	0.00	506,534.71	771,462.65
	15,100.0	90.00	182.73	11,825.0	8,211.0	-3,517.0	-167.7	3,521.0	0.00	506,434.83	771,457.89
	15,200.0	90.00	182.73	11,825.0	8,211.0	-3,616.8	-172.5	3,621.0	0.00	506,334.94	771,453.13
	15,300.0	90.00	182.73	11,825.0	8,211.0	-3,716.7	-177.2	3,721.0	0.00	506,235.06	771,448.36
	15,400.0	90.00	182.73	11,825.0	8,211.0	-3,816.6	-182.0	3,821.0	0.00	506,135.17	771,443.60
	15,500.0	90.00	182.73	11,825.0	8,211.0	-3,916.5	-186.8	3,921.0	0.00	506,035.28	771,438.84
	15,600.0	90.00	182.73	11,825.0	8,211.0	-4,016.4	-191.5	4,021.0	0.00	505,935.40	771,434.07
	15,700.0	90.00	182.73	11,825.0	8,211.0	-4,116.3	-196.3	4,121.0	0.00	505,835.51	771,429.31
	15,800.0	90.00	182.73	11,825.0	8,211.0	-4,216.2	-201.0	4,221.0	0.00	505,735.62	771,424.55
	15,900.0	90.00	182.73	11,825.0	8,211.0	-4,316.1	-205.8	4,321.0	0.00	505,635.74	771,419.79
	16,000.0	90.00	182.73	11,825.0	8,211.0	-4,415.9	-210.6	4,421.0	0.00	505,535.85	771,415.02

Company: B.C. Operating, Inc. Project: Lea County Site: Chili Parlor 17 Federal #2H Well: Chili Parlor 17 Federal #2H Wellbore: Chili Parlor 17 Federal #2H Design: 140919 Chili Parlor 17 Federal #2H		Local Co-ordinate Reference: TVD Reference: Well @ 3614.0usft (Original Well Elev) MD Reference: Well @ 3614.0usft (Original Well Elev) North Reference: Grid Survey Calculation Method: Minimum Curvature Database: EDM 5000.1 Single User Db	
Planned Survey			
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)
16,100.0	90.00	182.73	11,825.0
16,200.0	90.00	182.73	11,825.0
16,300.0	90.00	182.73	11,825.0
16,400.0	90.00	182.73	11,825.0
16,500.0	90.00	182.73	11,825.0
16,600.0	90.00	182.73	11,825.0
16,700.0	90.00	182.73	11,825.0
16,800.0	90.00	182.73	11,825.0
16,864.0	90.00	182.73	11,825.0
5 1/2"			
		NIS (usft)	TVDSS (usft)
		-4,515.8	8,211.0
		-4,615.7	8,211.0
		-4,715.6	8,211.0
		-4,815.5	8,211.0
		-4,915.4	8,211.0
		-5,015.3	8,211.0
		-5,115.1	8,211.0
		-5,215.0	8,211.0
		-5,279.0	8,211.0
		E/W (usft)	V-Vec (usft)
		-215.3	4,521.0
		-220.1	4,621.0
		-224.9	4,721.0
		-229.6	4,821.0
		-234.4	4,921.0
		-239.1	5,021.0
		-243.9	5,121.0
		-248.7	5,221.0
		-251.7	5,285.0
		D Leg (1/100usft)	North (usft)
		0.00	505,435.96
		0.00	505,336.08
		0.00	505,236.19
		0.00	505,136.30
		0.00	505,036.42
		0.00	504,936.53
		0.00	504,836.64
		0.00	504,736.76
		0.00	504,636.83
			771,410.26
			771,405.50
			771,400.73
			771,395.97
			771,391.21
			771,386.44
			771,381.68
			771,376.92
			771,373.87

Casing Points			
Measured Depth (usft)	Vertical Depth (usft)	Casing Diameter (")	Hole Diameter (")
4,900.0	4,900.0	9-5/8	12-1/4
16,864.0	11,825.0	5-1/2	8-3/4
1,075.0	1,075.0	13-3/8	16

Company: B+C Operating, Inc. Project: Lea County Site: Chili Parlor 17 Federal #2H Well: Chili Parlor 17 Federal #2H Wellbore: Chili Parlor 17 Federal #2H Design: 140919 Chili Parlor 17 Federal #2H	Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference: Survey Calculation Method: Database: Well: Chili Parlor 17 Federal #2H WELL @: 3614.0usft (Original Well Elev) WELL @: 3614.0usft (Original Well Elev) Grid: Minimum Curvature EDM: 5000:1 Single User Db
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Formations	Measured Depth (usft)	Vertical Depth (usft)	Name	Dip (°)
	966.0	966.0	Rusler	0.00
	10,536.0	10,536.0	2nd Bone Spring Sand	0.00
	8,701.0	8,701.0	Bone Spring	0.00
	4,871.0	4,871.0	Lamar	0.00
	3,156.0	3,156.0	Castile	0.00
	1,116.0	1,116.0	Top of Salt	0.00
	4,946.0	4,946.0	Delaware	0.00
	9,911.0	9,911.0	1st Bone Spring Sand	0.00

Checked By: _____

Approved By: _____

Date: _____

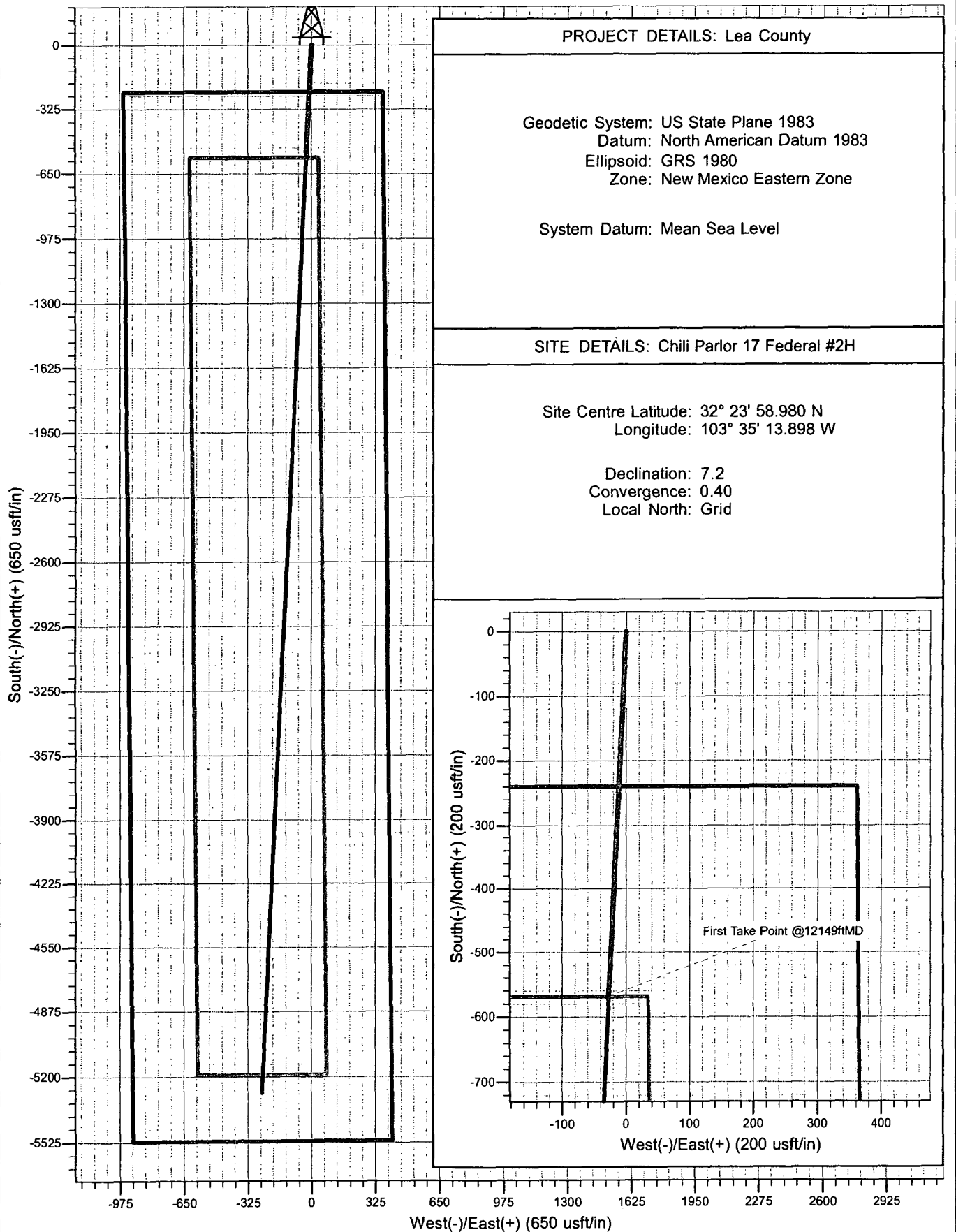
Project: Lea County
Site: Chili Parlor 17 Federal #2H
Well: Chili Parlor 17 Federal #2H
Wellbore: Chili Parlor 17 Federal #2H
Design: Chili Parlor 17 Federal #2H

BC OPERATING, INC.



Azimuths to Grid North
True North: -0.40°
Magnetic North: 6.80°

Magnetic Field
Strength: 48392.4nT
Dip Angle: 60.26°
Date: 19/09/2014
Model: IGRF2010



Project: Lea County
 Site: Chili Parlor 17 Federal #2H
 Well: Chili Parlor 17 Federal #2H
 Wellbore: Chili Parlor 17 Federal #2H
 Design: Chili Parlor 17 Federal #2H



Azimuths to Grid North
 True North: -0.40°
 Magnetic North: 5.80°

Magnetic Field
 Strength: 48392.4nT
 Dip Angle: 60.26°
 Date: 19/09/2014
 Model: IGRF2010

ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Vsect	Departure	Annotation
11252.0	11252.0	0.00	0.00	0.0	0.0	0.0	0.0	KOP @ 11252ftMD
11825.0	12152.0	90.00	182.73	-572.3	-27.3	573.0	573.0	LP@12152ftMD/ 11825ft TVD
11825.0	16864.0	90.00	182.73	-5279.0	-251.7	5285.0	5285.0	TD @ 16864ftMD

