

Continental Resources, Inc.

Weld County, CO
Sec.2-T7N-R60W
Buchner 1-2H

Plan A

Plan: Plan A Rev 0 Proposal

Sperry Drilling Services Proposal Report

08 November, 2011

Well Coordinates: 1,468,669.19 N, 3,401,928.41 E (40° 36' 39.20" N, 104° 03' 08.27" W)
Ground Level: 4,931.00 ft

Local Coordinate Origin:	Centered on Well Buchner 1-2H
Viewing Datum:	RKB 16' @ 4947.00ft (Unknown Well)
TVDs to System:	N
North Reference:	True
Unit System:	API - US Survey Feet - Custom

Geodetic Scale Factor Applied
Version: 2003.16 Build: 431

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Plan Report for Buchner 1-2H - Plan A Rev 0 Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,447.00	0.00	0.00	1,447.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pierre										
3,380.00	0.00	0.00	3,380.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Laramie										
5,773.54	0.00	0.00	5,773.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kickoff at 5773.54ft										
6,100.00	39.18	180.75	6,075.15	-107.32	-1.41	107.33	12.00	12.00	0.00	180.75
Build Rate=12.00°/100ft										
6,137.14	43.63	180.75	6,103.00	-131.87	-1.74	131.88	12.00	12.00	0.00	0.00
Sharon Springs										
6,205.60	51.85	180.75	6,149.00	-182.49	-2.40	182.50	12.00	12.00	0.00	0.00
Niobrara										
6,283.65	61.21	180.75	6,192.00	-247.52	-3.26	247.54	12.00	12.00	0.00	0.00
Niobrara "B"										
6,384.84	73.36	180.75	6,231.00	-340.68	-4.49	340.71	12.00	12.00	0.00	0.00
Lower "B"										
6,524.94	90.17	180.75	6,251.00	-478.82	-6.31	478.86	12.00	12.00	0.00	0.00
End Build at 6524.94ft - 7" Casing Pt										
11,100.00	90.17	180.75	6,237.57	-5,053.47	-66.57	5,053.91	0.00	0.00	0.00	0.00
Hold Angle at 90.17										
15,724.96	90.17	180.75	6,224.00	-9,678.00	-127.49	9,678.84	0.00	0.00	0.00	0.00
Buchner 1-2H Plan A BHL										

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
5,773.54	5,773.54	0.00	0.00	Kickoff at 5773.54ft
6,100.00	6,075.15	0.00	0.00	Build Rate=12.00°/100ft
6,524.94	6,251.00	-107.32	-1.41	End Build at 6524.94ft
11,100.00	6,237.57	-478.82	-6.31	Hold Angle at 90.17
15,724.96	6,224.00	-5,053.47	-66.57	Total Depth=15724.96ft

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
Target	Buchner 1-2H Plan A BHL	180.75	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	15,724.96	Plan A Rev 0 Proposal	MWD

Casing Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
6,524.94	6,251.00	7" Casing Pt	7	8-3/4

Plan Report for Buchner 1-2H - Plan A Rev 0 Proposal**Formation Details**

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,447.00	1,447.00	Pierre		0.00	
3,380.00	3,380.00	Laramie		0.00	
6,137.14	6,103.00	Sharon Springs		0.00	
6,205.60	6,149.00	Niobrara		0.00	
6,283.65	6,192.00	Niobrara "B"		0.00	
6,384.84	6,231.00	Lower "B"		0.00	

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
Buchner 1-2H Plan A BHL	6,224.00	-9,678.00	-127.49	Point
Buchner 1-2H Plan A Rev 0 Section Lines	0.00	0.00	0.00	Polygon
Buchner 1-2H Center Line	0.00	0.00	0.00	Polygon
Buchner 1-2H Plan A Rev 0 Setbacks	0.00	0.00	0.00	Polygon

HALLIBURTON**North Reference Sheet for Sec.2-T7N-R60W - Buchner 1-2H - Plan A**

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB 16' @ 4947.00ft (Unknown Well). Northing and Easting are relative to Buchner 1-2H

Coordinate System is US State Plane 1983, Colorado Northern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is -105.50°, Longitude Origin:0.000000°, Latitude Origin:40.783333°

False Easting: 3,000,000.00ft, False Northing: 1,000,000.00ft, Scale Reduction: 0.99997656

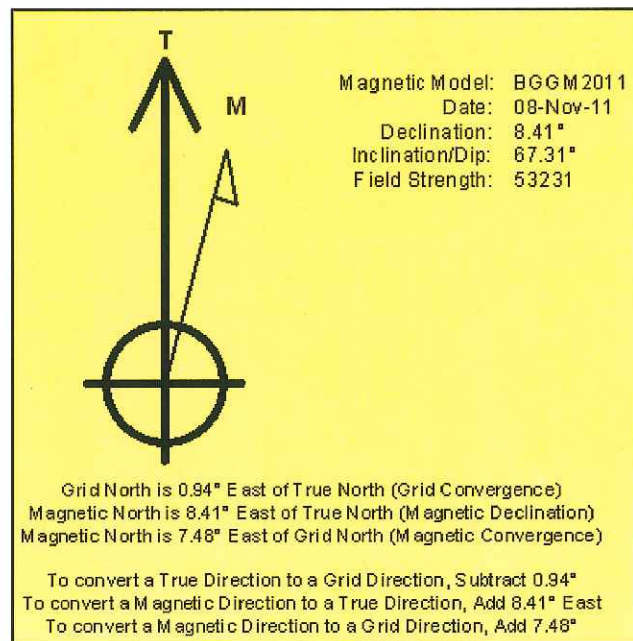
Grid Coordinates of Well: 1,468,669.19 ft N, 3,401,928.41 ft E

Geographical Coordinates of Well: 40° 36' 39.20" N, 104° 03' 08.27" W

Grid Convergence at Surface is: 0.94°

Based upon Minimum Curvature type calculations, at a Measured Depth of 15,724.96ft
the Bottom Hole Displacement is 9,678.84ft in the Direction of 180.75° (True).

Magnetic Convergence at surface is: -7.48° (8 November 2011, , BGGM2011)



Project: Weld County, CO
 Site: Sec.2-T7N-R60W
 Well: Buchner 1-2H
 Wellbore: Plan A
 Design: Plan A Rev 0 Proposal

Continental Resources, Inc.

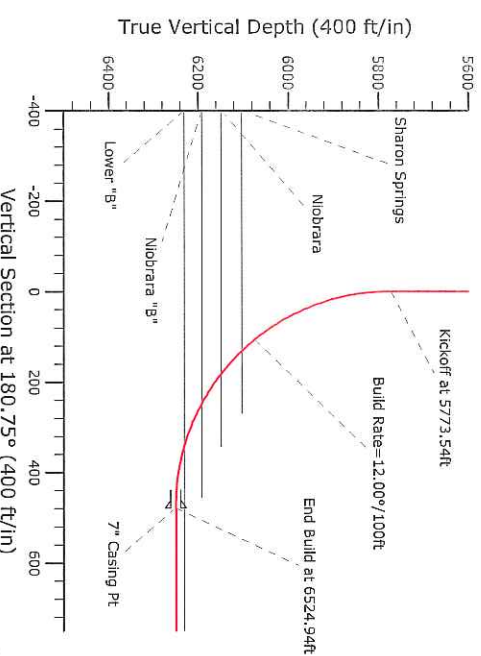
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 Sperry Drilling

WELL DETAILS: Buchner 1-2H

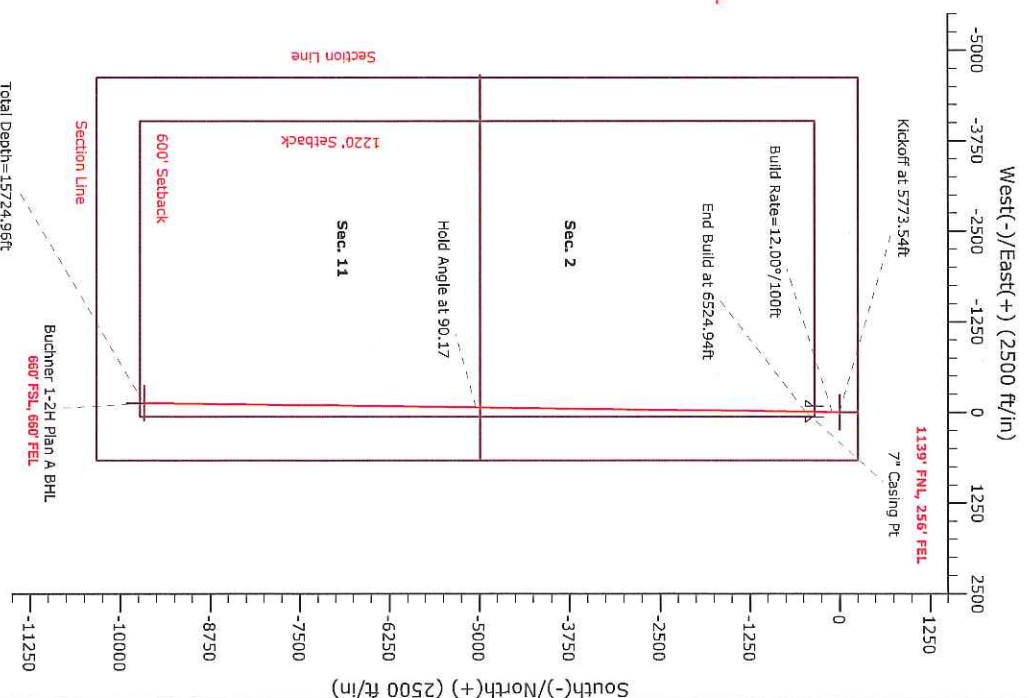
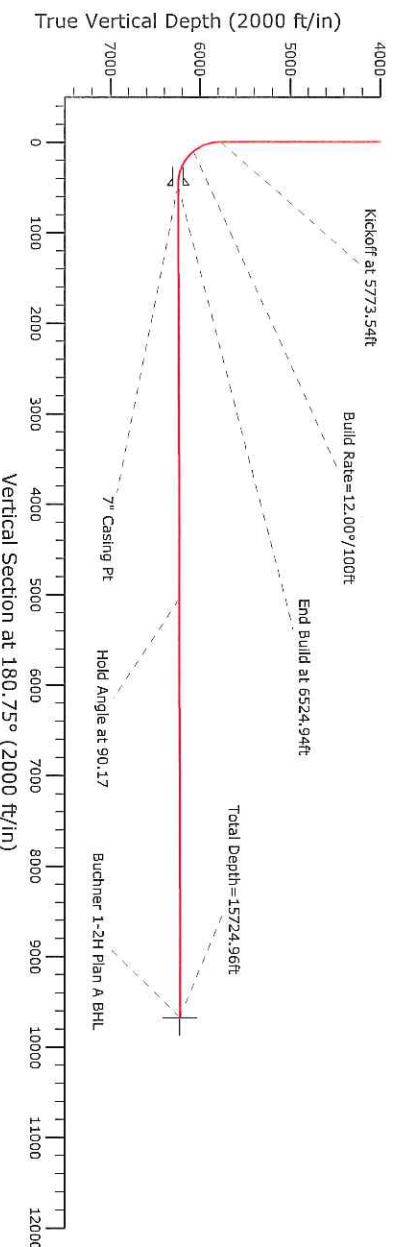
Ground Level: 4831.00 Northing: 1468669.19 Easting: 3401928.41 Latitude: 40.610888 Longitude: -104.052296

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/S	+E/W	Dleg	TFace	VSec	Target
1	5773.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	5773.54	0.00	0.00	5773.54	0.00	0.00	0.00	0.00	0.00	
3	6524.94	90.17	180.75	6251.00	-478.82	-6.31	12.00	180.75	478.87	
4	15724.96	90.17	180.75	6224.00	-9678.00	-1827.49	0.00	0.00	9678.84	Buchner 1-2H Plan A BHL



SHL :: 250' FNL, 660' FEL



Plan: Plan A Rev 0 Proposal (Buchner 1-2H/Plan A)

Created By: Bridget Brennecke Date: 16.09, November 08 2011

Checked: _____ Date: _____

Reviewed: _____ Date: _____

Approved: _____ Date: _____