

Well Name: CRUNCH BERRY 6 FEDERAL COM	Well Location: T22S / R34E / SEC 6 / LOT 3 /	County or Parish/State:
Well Number: 601H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM129267	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002548378	Well Status: Approved Application for Permit to Drill	Operator: CENTENNIAL RESOURCE PRODUCTION LLC

Released to Imaging: 8/3/2021 2:52:56 PM

Notice of Intent

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 05/03/2021

Time Sundry Submitted: 12:25

Date proposed operation will begin: 05/03/2021

Procedure Description: Centennial Resource Production LLC respectfully requests to change this well's name from the Crunch Berry 6 Fed Com 602H to the Crunch Berry 6 Fed Com 601H. We would also like to change our vertical section. Please see attached updated directional survey showing the vertical change and the update C-102H showing the name change.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Crunch_Berry_6_Fed_Com_601H_C102_Revised_20210503122345.pdf

Crunch_Berry_6_Federal_Com_601H__Plan_1_04_30_21_20210503122344.pdf

Crunch_Berry_6_Federal_Com_601H__Plan_1_04_30_21_AC_Report_20210503122344.pdf

Well Name: CRUNCH BERRY 6
FEDERAL COM

Well Location: T22S / R34E / SEC 6 /
LOT 3 /

County or Parish/State:

Well Number: 601H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM129267

Unit or CA Name:

Unit or CA Number:

US Well Number: 3002548378

Well Status: Approved Application for
Permit to Drill

Operator: CENTENNIAL
RESOURCE PRODUCTION LLC

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: KANICIA SCHLICHTING

Signed on: MAY 03, 2021 12:23 PM

Name: CENTENNIAL RESOURCE PRODUCTION LLC

Title: Sr. Regulatory Analyst

Street Address: 1001 17th Street, Suite 1800

City: Denver

State: CO

Phone: (720) 499-1537

Email address: Kanicia.schlichting@cdevinc.com

Released to Imaging: 8/3/2021 2:52:56 PM

Field Representative

Representative Name: Kanicia Schlichting

Street Address: 1001 17th Street, Suite 1800

City: Denver

State: CO

Zip: 80202

Phone: (720)499-1537

Email address: kanicia.schlichting@cdevinc.com

BLM Point of Contact

BLM POC Name: JEROMY PORTER

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752345997

BLM POC Email Address: jjporter@blm.gov

Disposition: Approved

Disposition Date: 05/20/2021

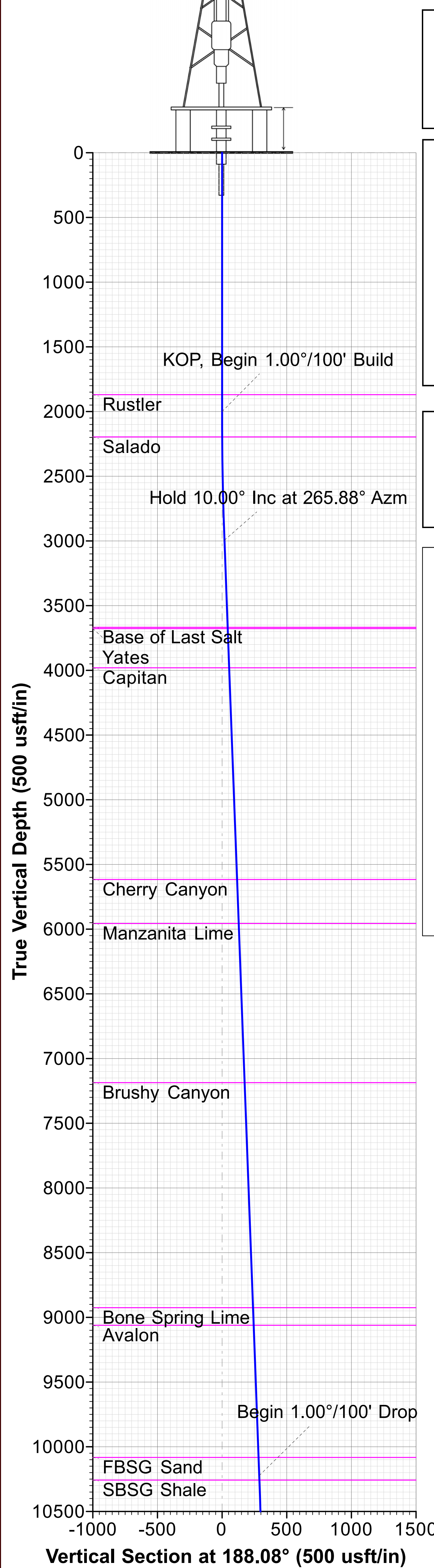
Signature: Jeromy Porter

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

RKB @ 3659.80usft (TBD)
Ground Level: 3633.80

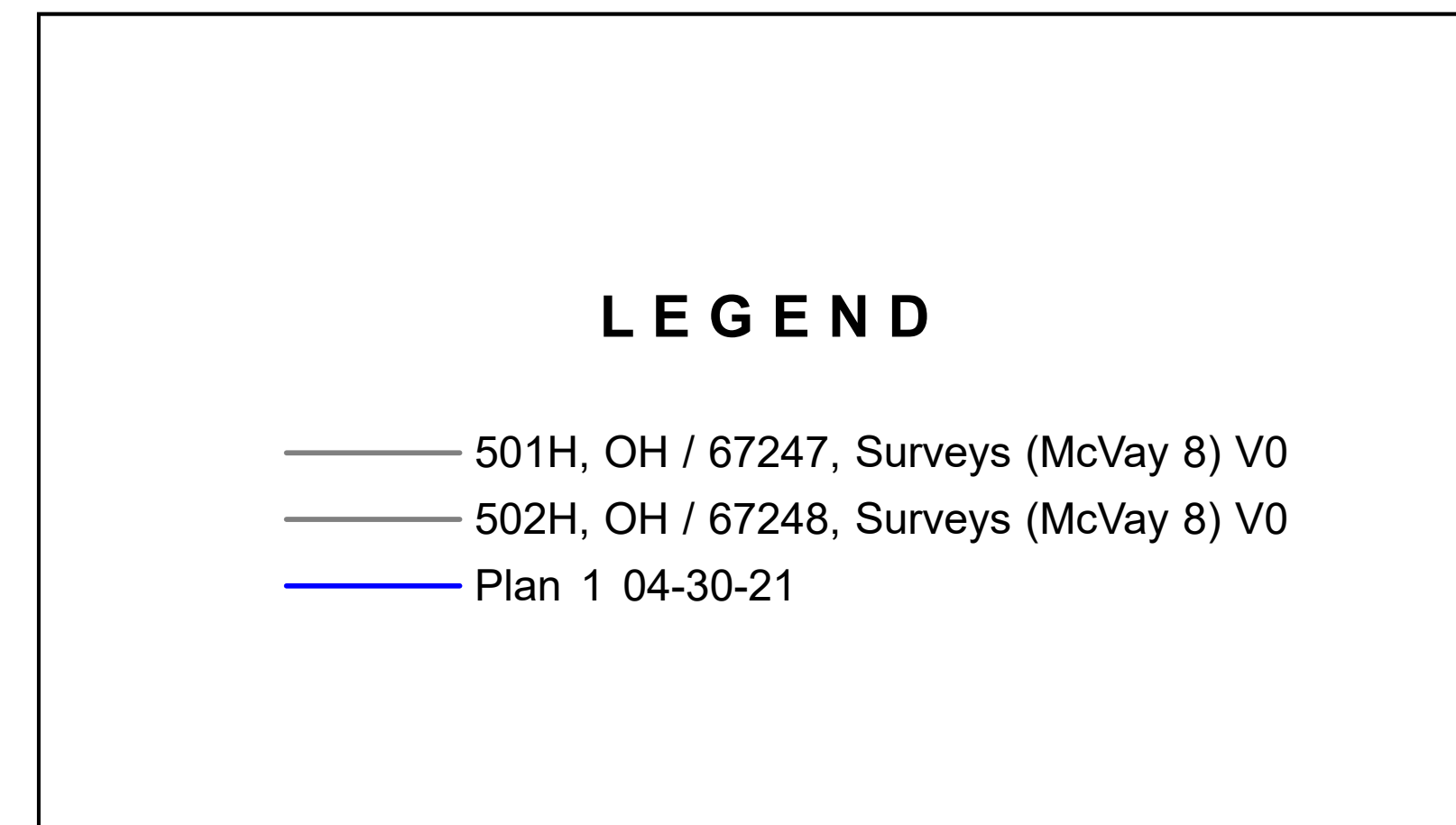


WELL DETAILS									
	+N/-S	+E/-W	Northing	Ground Level:	Easting	Latitude	Longitude		
	0.00	0.00	11774128.78	3633.80	2099474.13	32° 25' 37.851420 N	103° 30' 42.424674 W		

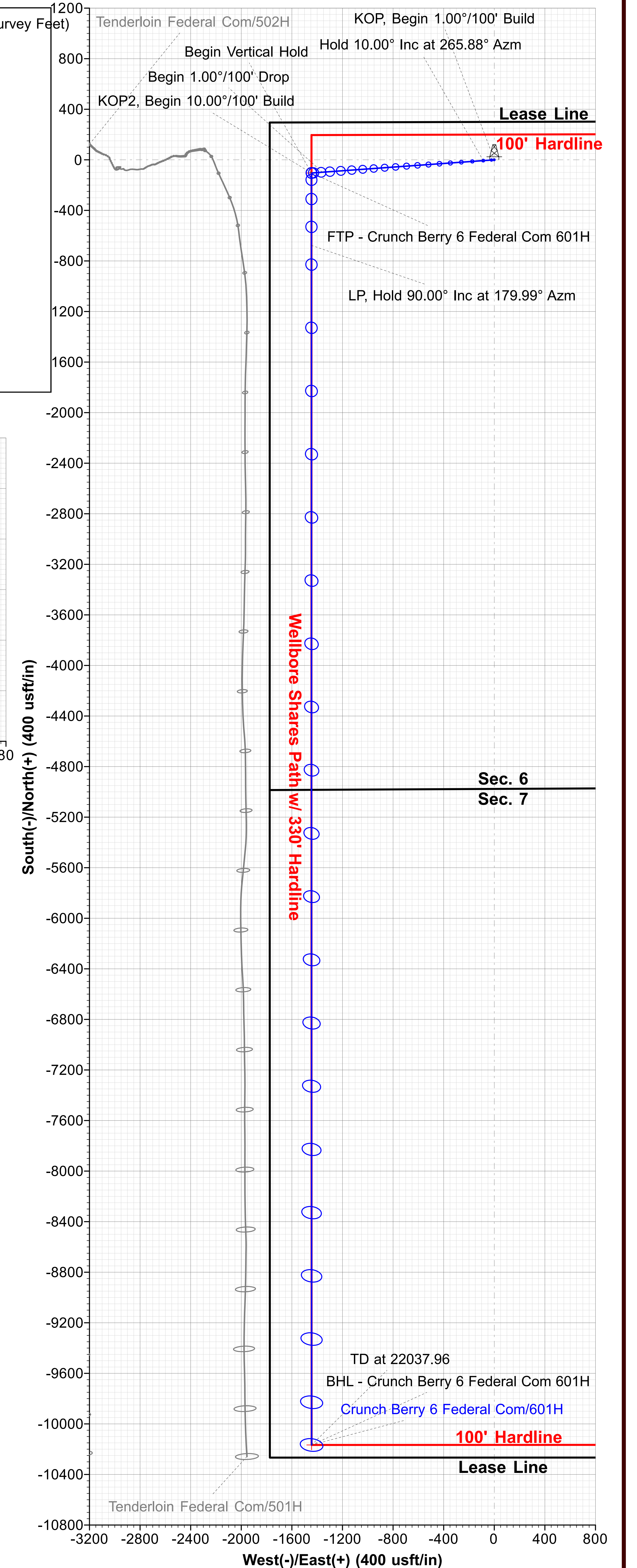
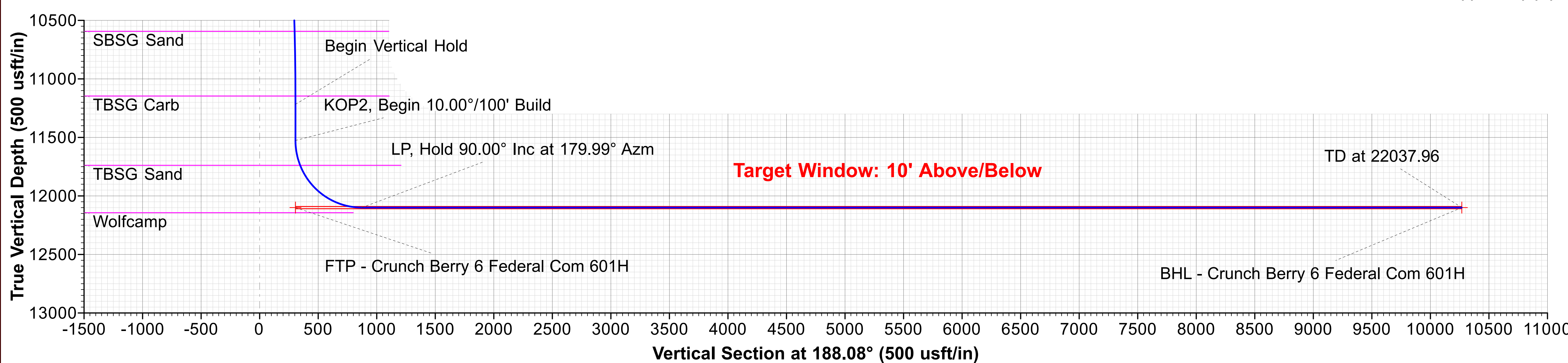
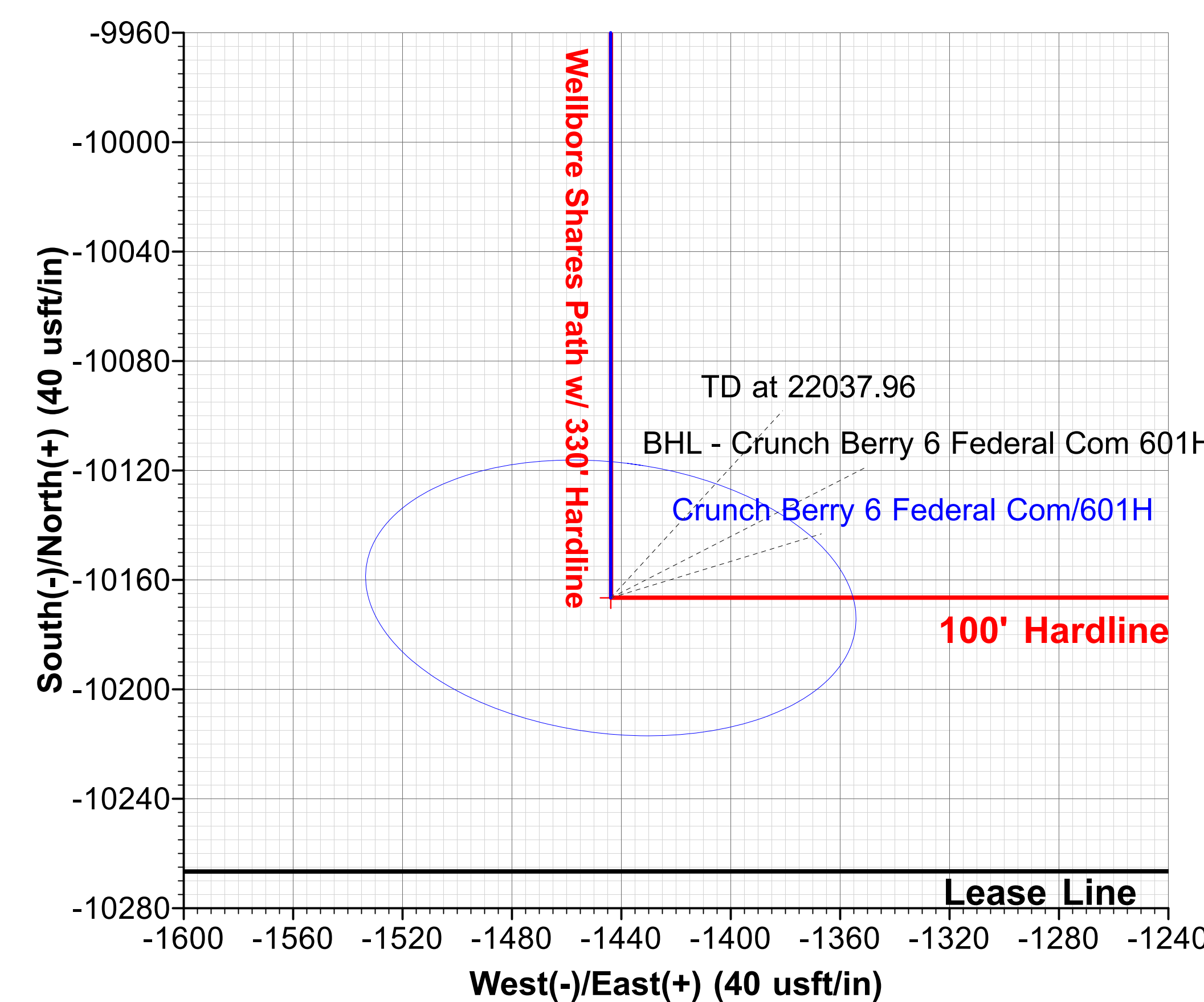
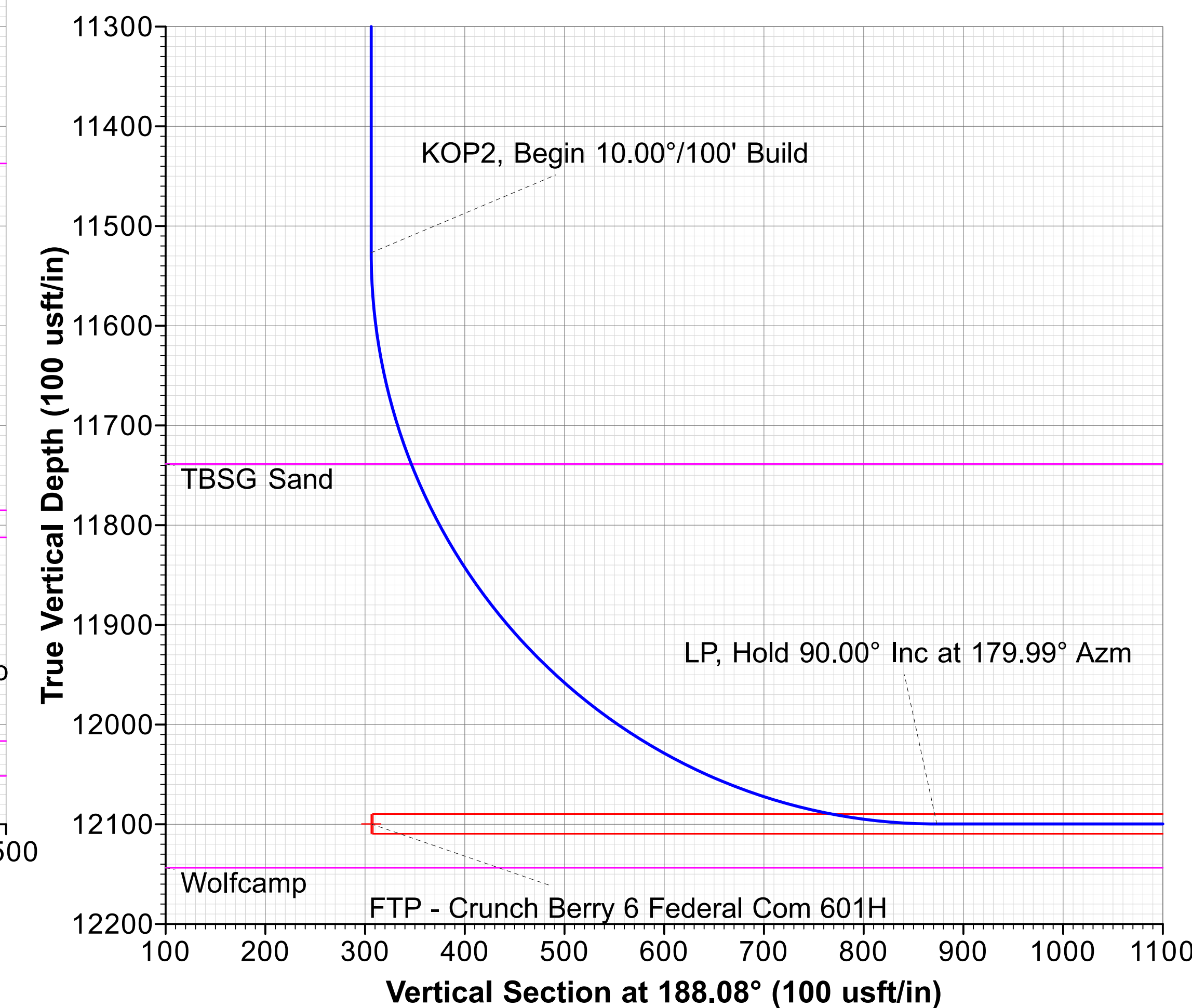
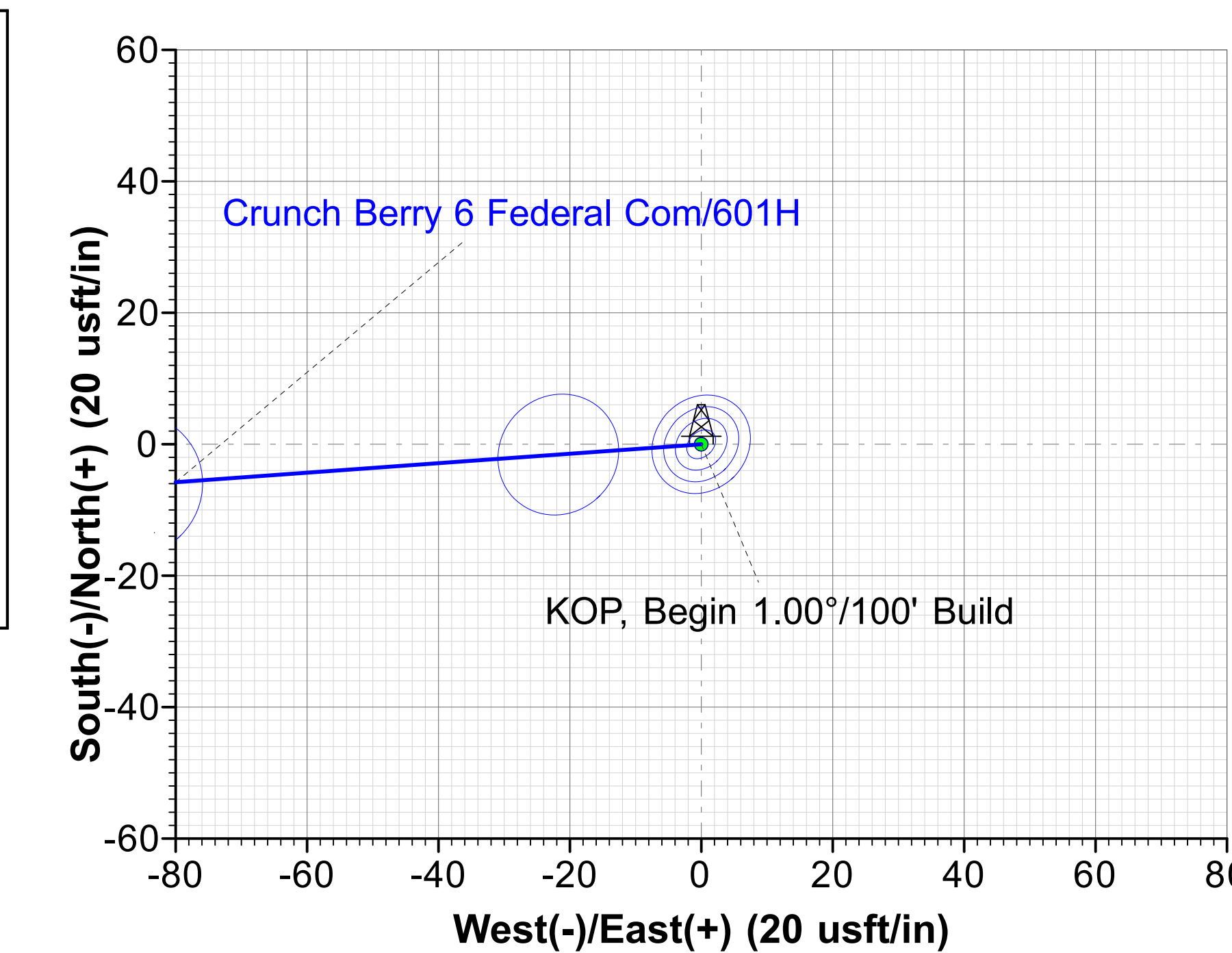
SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
2	2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00		KOP, Begin 1.00°/100' Build
3	3000.00	10.00	265.88	2994.93	-6.26	-86.82	1.00	265.88	18.40		Hold 10.00° Inc at 265.88° Azm
4	10339.47	10.00	265.88	10222.90	-97.86	-1358.01	0.00	0.00	287.83		Begin 1.00°/100' Drop
5	11339.47	0.00	0.00	11217.83	-104.11	-1444.83	1.00	180.00	306.23		Begin Vertical Hold
6	11648.48	0.00	0.00	11526.84	-104.11	-1444.83	0.00	0.00	306.23		KOP2, Begin 10.00°/100' Build
7	12548.48	90.00	179.99	12099.80	-677.07	-1444.77	10.00	179.99	873.49		LP, Hold 90.00° Inc at 179.99° Azm
8	22037.96	90.00	179.99	12099.80	-10166.55	-1443.83	0.00	0.00	0268.56	BHL - Crunch Berry 6 Federal Com 601H	TD at 22037.96

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
BHL - Crunch Berry 6 Federal Com 601H	12099.80	-10166.55	-1443.83	11763944.72	2098172.28	32° 23' 57.254294 N	103° 30' 59.263439 W
FTP - Crunch Berry 6 Federal Com 601H	12099.80	-104.11	-1444.83	11774004.57	2098031.12	32° 25' 36.820919 N	103° 30' 59.281038 W

FORMATION TOP DETAILS			
TVDPath	MDPath	Formation	
1869.80	1869.80	Rustler	
2196.80	2196.84	Salado	
3667.80	3683.25	Base of Last Salt	
3677.80	3693.40	Yates	
3980.80	4001.08	Capitan	
5616.80	5662.32	Cherry Canyon	
5956.80	6007.56	Manzanita Lime	
7186.80	7256.54	Brushy Canyon	
8925.80	9022.36	Bone Spring Lime	
9061.80	9160.46	Avalon	
10082.80	10197.21	FBSG Sand	
10257.80	10374.89	SBSG Shale	
10593.80	10714.20	SBSG Sand	
11146.80	11268.44	TBSG Carb	
11738.80	11865.60	TBSG Sand	



Map System: Universal Transverse Mercator (US Survey Feet)
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone Name: Zone 13N (108 W to 102 W)
Local Origin: Well 601H, True North
Latitude: 32° 25' 37.851420 N
Longitude: 103° 30' 42.424674 W
Grid East: 2099474.13
Grid North: 11774128.78
Scale Factor: 1.000
Geomagnetic Model: MVHD
Sample Date: 29-Jun-21
Magnetic Declination: 6.41°
Dip Angle from Horizontal: 60.13°
Magnetic Field Strength: 47859.25278953nT
To convert a Magnetic Direction to a Grid Direction, Add 5.61°
To convert a Magnetic Direction to a True Direction, Add 6.41° East
To convert a True Direction to a Grid Direction, Subtract 0.80°





Centennial Resources Development, Inc.

**Lea County, NM (NAD83 - UTM Zone 13)
Crunch Berry 6 Federal Com
601H**

OH

Plan: Plan 1 04-30-21

Standard Planning Report

30 April, 2021





Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 601H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3659.80usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3659.80usft (TBD)
Site:	Crunch Berry 6 Federal Com	North Reference:	True
Well:	601H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 04-30-21		

Project	Lea County, NM (NAD83 - UTM Zone 13)		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Zone 13N (108 W to 102 W)		Using geodetic scale factor

Site	Crunch Berry 6 Federal Com		
Site Position:		Northing:	11,774,128.78 usft
From:	Map	Easting:	2,099,474.13 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 25' 37.851420 N
		Longitude:	103° 30' 42.424674 W

Well	601H		
Well Position	+N/-S	0.00 usft	Northing: 11,774,128.78 usft
	+E/-W	0.00 usft	Easting: 2,099,474.13 usft
Position Uncertainty	1.00 usft	Wellhead Elevation:	Ground Level: 3,633.80 usft
			Latitude: 32° 25' 37.851420 N
			Longitude: 103° 30' 42.424674 W

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	MVHD	6/29/2021	6.41
			Dip Angle (°) 60.13
			Field Strength (nT) 47,859.25278954

Design	Plan 1 04-30-21		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°) 188.08

Plan Survey Tool Program	Date	4/30/2021		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	22,037.96 Plan 1 04-30-21 (OH)	MWD+IFR1+MS	
			OWSG MWD + IFR1 + Multi-St	

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	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,000.00	10.00	265.88	2,994.93	-6.26	-86.82	1.00	1.00	0.00	265.88	
10,339.47	10.00	265.88	10,222.90	-97.86	-1,358.01	0.00	0.00	0.00	0.00	
11,339.47	0.00	0.00	11,217.83	-104.11	-1,444.83	1.00	-1.00	0.00	180.00	
11,648.48	0.00	0.00	11,526.84	-104.11	-1,444.83	0.00	0.00	0.00	0.00	
12,548.48	90.00	179.99	12,099.80	-677.07	-1,444.77	10.00	10.00	20.00	179.99	
22,037.96	90.00	179.99	12,099.80	-10,166.55	-1,443.83	0.00	0.00	0.00	0.00	BHL - Crunch Berry 6



Planning Report



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Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3659.80usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3659.80usft (TBD)
Site:	Crunch Berry 6 Federal Com	North Reference:	True
Well:	601H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 04-30-21		

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
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP, Begin 1.00°/100' Build									
2,100.00	1.00	265.88	2,099.99	-0.06	-0.87	0.18	1.00	1.00	0.00
2,200.00	2.00	265.88	2,199.96	-0.25	-3.48	0.74	1.00	1.00	0.00
2,300.00	3.00	265.88	2,299.86	-0.56	-7.83	1.66	1.00	1.00	0.00
2,400.00	4.00	265.88	2,399.68	-1.00	-13.92	2.95	1.00	1.00	0.00
2,500.00	5.00	265.88	2,499.37	-1.57	-21.75	4.61	1.00	1.00	0.00
2,600.00	6.00	265.88	2,598.90	-2.26	-31.31	6.64	1.00	1.00	0.00
2,700.00	7.00	265.88	2,698.26	-3.07	-42.60	9.03	1.00	1.00	0.00
2,800.00	8.00	265.88	2,797.40	-4.01	-55.62	11.79	1.00	1.00	0.00
2,900.00	9.00	265.88	2,896.30	-5.07	-70.36	14.91	1.00	1.00	0.00
3,000.00	10.00	265.88	2,994.93	-6.26	-86.82	18.40	1.00	1.00	0.00
Hold 10.00° Inc at 265.88° Azm									
3,100.00	10.00	265.88	3,093.41	-7.50	-104.14	22.07	0.00	0.00	0.00
3,200.00	10.00	265.88	3,191.89	-8.75	-121.46	25.74	0.00	0.00	0.00
3,300.00	10.00	265.88	3,290.37	-10.00	-138.78	29.41	0.00	0.00	0.00
3,400.00	10.00	265.88	3,388.85	-11.25	-156.10	33.09	0.00	0.00	0.00
3,500.00	10.00	265.88	3,487.33	-12.50	-173.42	36.76	0.00	0.00	0.00
3,600.00	10.00	265.88	3,585.82	-13.74	-190.74	40.43	0.00	0.00	0.00
3,700.00	10.00	265.88	3,684.30	-14.99	-208.06	44.10	0.00	0.00	0.00
3,800.00	10.00	265.88	3,782.78	-16.24	-225.38	47.77	0.00	0.00	0.00
3,900.00	10.00	265.88	3,881.26	-17.49	-242.70	51.44	0.00	0.00	0.00
4,000.00	10.00	265.88	3,979.74	-18.74	-260.02	55.11	0.00	0.00	0.00
4,100.00	10.00	265.88	4,078.22	-19.98	-277.34	58.78	0.00	0.00	0.00
4,200.00	10.00	265.88	4,176.70	-21.23	-294.66	62.45	0.00	0.00	0.00
4,300.00	10.00	265.88	4,275.18	-22.48	-311.98	66.12	0.00	0.00	0.00
4,400.00	10.00	265.88	4,373.66	-23.73	-329.30	69.79	0.00	0.00	0.00
4,500.00	10.00	265.88	4,472.14	-24.98	-346.62	73.47	0.00	0.00	0.00
4,600.00	10.00	265.88	4,570.62	-26.22	-363.94	77.14	0.00	0.00	0.00
4,700.00	10.00	265.88	4,669.10	-27.47	-381.26	80.81	0.00	0.00	0.00
4,800.00	10.00	265.88	4,767.58	-28.72	-398.58	84.48	0.00	0.00	0.00
4,900.00	10.00	265.88	4,866.07	-29.97	-415.90	88.15	0.00	0.00	0.00
5,000.00	10.00	265.88	4,964.55	-31.22	-433.22	91.82	0.00	0.00	0.00
5,100.00	10.00	265.88	5,063.03	-32.46	-450.54	95.49	0.00	0.00	0.00
5,200.00	10.00	265.88	5,161.51	-33.71	-467.86	99.16	0.00	0.00	0.00
5,300.00	10.00	265.88	5,259.99	-34.96	-485.18	102.83	0.00	0.00	0.00
5,400.00	10.00	265.88	5,358.47	-36.21	-502.50	106.50	0.00	0.00	0.00
5,500.00	10.00	265.88	5,456.95	-37.46	-519.82	110.17	0.00	0.00	0.00
5,600.00	10.00	265.88	5,555.43	-38.71	-537.14	113.85	0.00	0.00	0.00
5,700.00	10.00	265.88	5,653.91	-39.95	-554.46	117.52	0.00	0.00	0.00
5,800.00	10.00	265.88	5,752.39	-41.20	-571.78	121.19	0.00	0.00	0.00
5,900.00	10.00	265.88	5,850.87	-42.45	-589.10	124.86	0.00	0.00	0.00
6,000.00	10.00	265.88	5,949.35	-43.70	-606.42	128.53	0.00	0.00	0.00
6,100.00	10.00	265.88	6,047.83	-44.95	-623.74	132.20	0.00	0.00	0.00
6,200.00	10.00	265.88	6,146.32	-46.19	-641.06	135.87	0.00	0.00	0.00
6,300.00	10.00	265.88	6,244.80	-47.44	-658.38	139.54	0.00	0.00	0.00
6,400.00	10.00	265.88	6,343.28	-48.69	-675.70	143.21	0.00	0.00	0.00
6,500.00	10.00	265.88	6,441.76	-49.94	-693.02	146.88	0.00	0.00	0.00
6,600.00	10.00	265.88	6,540.24	-51.19	-710.34	150.56	0.00	0.00	0.00
6,700.00	10.00	265.88	6,638.72	-52.43	-727.66	154.23	0.00	0.00	0.00
6,800.00	10.00	265.88	6,737.20	-53.68	-744.98	157.90	0.00	0.00	0.00
6,900.00	10.00	265.88	6,835.68	-54.93	-762.30	161.57	0.00	0.00	0.00



Planning Report



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Site:	Crunch Berry 6 Federal Com	North Reference:	True
Well:	601H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 04-30-21		

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)	
7,000.00	10.00	265.88	6,934.16	-56.18	-779.62	165.24	0.00	0.00	0.00	
7,100.00	10.00	265.88	7,032.64	-57.43	-796.94	168.91	0.00	0.00	0.00	
7,200.00	10.00	265.88	7,131.12	-58.67	-814.26	172.58	0.00	0.00	0.00	
7,300.00	10.00	265.88	7,229.60	-59.92	-831.58	176.25	0.00	0.00	0.00	
7,400.00	10.00	265.88	7,328.09	-61.17	-848.90	179.92	0.00	0.00	0.00	
7,500.00	10.00	265.88	7,426.57	-62.42	-866.22	183.59	0.00	0.00	0.00	
7,600.00	10.00	265.88	7,525.05	-63.67	-883.54	187.26	0.00	0.00	0.00	
7,700.00	10.00	265.88	7,623.53	-64.91	-900.86	190.94	0.00	0.00	0.00	
7,800.00	10.00	265.88	7,722.01	-66.16	-918.18	194.61	0.00	0.00	0.00	
7,900.00	10.00	265.88	7,820.49	-67.41	-935.50	198.28	0.00	0.00	0.00	
8,000.00	10.00	265.88	7,918.97	-68.66	-952.82	201.95	0.00	0.00	0.00	
8,100.00	10.00	265.88	8,017.45	-69.91	-970.14	205.62	0.00	0.00	0.00	
8,200.00	10.00	265.88	8,115.93	-71.15	-987.46	209.29	0.00	0.00	0.00	
8,300.00	10.00	265.88	8,214.41	-72.40	-1,004.78	212.96	0.00	0.00	0.00	
8,400.00	10.00	265.88	8,312.89	-73.65	-1,022.10	216.63	0.00	0.00	0.00	
8,500.00	10.00	265.88	8,411.37	-74.90	-1,039.42	220.30	0.00	0.00	0.00	
8,600.00	10.00	265.88	8,509.85	-76.15	-1,056.74	223.97	0.00	0.00	0.00	
8,700.00	10.00	265.88	8,608.34	-77.39	-1,074.05	227.64	0.00	0.00	0.00	
8,800.00	10.00	265.88	8,706.82	-78.64	-1,091.37	231.32	0.00	0.00	0.00	
8,900.00	10.00	265.88	8,805.30	-79.89	-1,108.69	234.99	0.00	0.00	0.00	
9,000.00	10.00	265.88	8,903.78	-81.14	-1,126.01	238.66	0.00	0.00	0.00	
9,100.00	10.00	265.88	9,002.26	-82.39	-1,143.33	242.33	0.00	0.00	0.00	
9,200.00	10.00	265.88	9,100.74	-83.63	-1,160.65	246.00	0.00	0.00	0.00	
9,300.00	10.00	265.88	9,199.22	-84.88	-1,177.97	249.67	0.00	0.00	0.00	
9,400.00	10.00	265.88	9,297.70	-86.13	-1,195.29	253.34	0.00	0.00	0.00	
9,500.00	10.00	265.88	9,396.18	-87.38	-1,212.61	257.01	0.00	0.00	0.00	
9,600.00	10.00	265.88	9,494.66	-88.63	-1,229.93	260.68	0.00	0.00	0.00	
9,700.00	10.00	265.88	9,593.14	-89.87	-1,247.25	264.35	0.00	0.00	0.00	
9,800.00	10.00	265.88	9,691.62	-91.12	-1,264.57	268.03	0.00	0.00	0.00	
9,900.00	10.00	265.88	9,790.10	-92.37	-1,281.89	271.70	0.00	0.00	0.00	
10,000.00	10.00	265.88	9,888.59	-93.62	-1,299.21	275.37	0.00	0.00	0.00	
10,100.00	10.00	265.88	9,987.07	-94.87	-1,316.53	279.04	0.00	0.00	0.00	
10,200.00	10.00	265.88	10,085.55	-96.12	-1,333.85	282.71	0.00	0.00	0.00	
10,300.00	10.00	265.88	10,184.03	-97.36	-1,351.17	286.38	0.00	0.00	0.00	
10,339.47	10.00	265.88	10,222.90	-97.86	-1,358.01	287.83	0.00	0.00	0.00	
Begin 1.00°/100' Drop										
10,400.00	9.39	265.88	10,282.56	-98.59	-1,368.18	289.98	1.00	-1.00	0.00	
10,500.00	8.39	265.88	10,381.36	-99.70	-1,383.60	293.25	1.00	-1.00	0.00	
10,600.00	7.39	265.88	10,480.41	-100.69	-1,397.30	296.16	1.00	-1.00	0.00	
10,700.00	6.39	265.88	10,579.69	-101.55	-1,409.27	298.69	1.00	-1.00	0.00	
10,800.00	5.39	265.88	10,679.16	-102.29	-1,419.52	300.87	1.00	-1.00	0.00	
10,900.00	4.39	265.88	10,778.79	-102.90	-1,428.03	302.67	1.00	-1.00	0.00	
11,000.00	3.39	265.88	10,878.56	-103.39	-1,434.80	304.10	1.00	-1.00	0.00	
11,100.00	2.39	265.88	10,978.43	-103.75	-1,439.84	305.17	1.00	-1.00	0.00	
11,200.00	1.39	265.88	11,078.37	-103.99	-1,443.14	305.87	1.00	-1.00	0.00	
11,300.00	0.39	265.88	11,178.36	-104.10	-1,444.69	306.20	1.00	-1.00	0.00	
11,339.47	0.00	0.00	11,217.83	-104.11	-1,444.83	306.23	1.00	-1.00	0.00	
Begin Vertical Hold										
11,400.00	0.00	0.00	11,278.36	-104.11	-1,444.83	306.23	0.00	0.00	0.00	
11,500.00	0.00	0.00	11,378.36	-104.11	-1,444.83	306.23	0.00	0.00	0.00	
11,600.00	0.00	0.00	11,478.36	-104.11	-1,444.83	306.23	0.00	0.00	0.00	
11,648.48	0.00	0.00	11,526.84	-104.11	-1,444.83	306.23	0.00	0.00	0.00	
KOP2, Begin 10.00°/100' Build										



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 601H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3659.80usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3659.80usft (TBD)
Site:	Crunch Berry 6 Federal Com	North Reference:	True
Well:	601H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 04-30-21		

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)
11,700.00	5.15	179.99	11,578.29	-106.43	-1,444.83	308.52	10.00	10.00	0.00
11,800.00	15.15	179.99	11,676.60	-124.03	-1,444.83	325.95	10.00	10.00	0.00
11,900.00	25.15	179.99	11,770.36	-158.44	-1,444.82	360.01	10.00	10.00	0.00
12,000.00	35.15	179.99	11,856.72	-208.60	-1,444.82	409.68	10.00	10.00	0.00
12,100.00	45.15	179.99	11,933.05	-273.00	-1,444.81	473.44	10.00	10.00	0.00
12,200.00	55.15	179.99	11,997.05	-349.68	-1,444.81	549.35	10.00	10.00	0.00
12,300.00	65.15	179.99	12,046.76	-436.30	-1,444.80	635.12	10.00	10.00	0.00
12,400.00	75.15	179.99	12,080.67	-530.24	-1,444.79	728.12	10.00	10.00	0.00
12,500.00	85.15	179.99	12,097.75	-628.65	-1,444.78	825.55	10.00	10.00	0.00
12,548.48	90.00	179.99	12,099.80	-677.07	-1,444.77	873.49	10.00	10.00	0.00
LP, Hold 90.00° Inc at 179.99° Azm									
12,600.00	90.00	179.99	12,099.80	-728.59	-1,444.77	924.49	0.00	0.00	0.00
12,700.00	90.00	179.99	12,099.80	-828.59	-1,444.76	1,023.50	0.00	0.00	0.00
12,800.00	90.00	179.99	12,099.80	-928.59	-1,444.75	1,122.50	0.00	0.00	0.00
12,900.00	90.00	179.99	12,099.80	-1,028.59	-1,444.74	1,221.51	0.00	0.00	0.00
13,000.00	90.00	179.99	12,099.80	-1,128.59	-1,444.73	1,320.51	0.00	0.00	0.00
13,100.00	90.00	179.99	12,099.80	-1,228.59	-1,444.72	1,419.52	0.00	0.00	0.00
13,200.00	90.00	179.99	12,099.80	-1,328.59	-1,444.71	1,518.52	0.00	0.00	0.00
13,300.00	90.00	179.99	12,099.80	-1,428.59	-1,444.70	1,617.53	0.00	0.00	0.00
13,400.00	90.00	179.99	12,099.80	-1,528.59	-1,444.69	1,716.54	0.00	0.00	0.00
13,500.00	90.00	179.99	12,099.80	-1,628.59	-1,444.68	1,815.54	0.00	0.00	0.00
13,600.00	90.00	179.99	12,099.80	-1,728.59	-1,444.67	1,914.55	0.00	0.00	0.00
13,700.00	90.00	179.99	12,099.80	-1,828.59	-1,444.66	2,013.55	0.00	0.00	0.00
13,800.00	90.00	179.99	12,099.80	-1,928.59	-1,444.65	2,112.56	0.00	0.00	0.00
13,900.00	90.00	179.99	12,099.80	-2,028.59	-1,444.64	2,211.56	0.00	0.00	0.00
14,000.00	90.00	179.99	12,099.80	-2,128.59	-1,444.63	2,310.57	0.00	0.00	0.00
14,100.00	90.00	179.99	12,099.80	-2,228.59	-1,444.62	2,409.57	0.00	0.00	0.00
14,200.00	90.00	179.99	12,099.80	-2,328.59	-1,444.61	2,508.58	0.00	0.00	0.00
14,300.00	90.00	179.99	12,099.80	-2,428.59	-1,444.60	2,607.58	0.00	0.00	0.00
14,400.00	90.00	179.99	12,099.80	-2,528.59	-1,444.59	2,706.59	0.00	0.00	0.00
14,500.00	90.00	179.99	12,099.80	-2,628.59	-1,444.58	2,805.59	0.00	0.00	0.00
14,600.00	90.00	179.99	12,099.80	-2,728.59	-1,444.57	2,904.60	0.00	0.00	0.00
14,700.00	90.00	179.99	12,099.80	-2,828.59	-1,444.56	3,003.60	0.00	0.00	0.00
14,800.00	90.00	179.99	12,099.80	-2,928.59	-1,444.55	3,102.61	0.00	0.00	0.00
14,900.00	90.00	179.99	12,099.80	-3,028.59	-1,444.54	3,201.61	0.00	0.00	0.00
15,000.00	90.00	179.99	12,099.80	-3,128.59	-1,444.53	3,300.62	0.00	0.00	0.00
15,100.00	90.00	179.99	12,099.80	-3,228.59	-1,444.52	3,399.62	0.00	0.00	0.00
15,200.00	90.00	179.99	12,099.80	-3,328.59	-1,444.51	3,498.63	0.00	0.00	0.00
15,300.00	90.00	179.99	12,099.80	-3,428.59	-1,444.50	3,597.63	0.00	0.00	0.00
15,400.00	90.00	179.99	12,099.80	-3,528.59	-1,444.49	3,696.64	0.00	0.00	0.00
15,500.00	90.00	179.99	12,099.80	-3,628.59	-1,444.48	3,795.64	0.00	0.00	0.00
15,600.00	90.00	179.99	12,099.80	-3,728.59	-1,444.47	3,894.65	0.00	0.00	0.00
15,700.00	90.00	179.99	12,099.80	-3,828.59	-1,444.46	3,993.65	0.00	0.00	0.00
15,800.00	90.00	179.99	12,099.80	-3,928.59	-1,444.45	4,092.66	0.00	0.00	0.00
15,900.00	90.00	179.99	12,099.80	-4,028.59	-1,444.44	4,191.66	0.00	0.00	0.00
16,000.00	90.00	179.99	12,099.80	-4,128.59	-1,444.43	4,290.67	0.00	0.00	0.00
16,100.00	90.00	179.99	12,099.80	-4,228.59	-1,444.42	4,389.67	0.00	0.00	0.00
16,200.00	90.00	179.99	12,099.80	-4,328.59	-1,444.41	4,488.68	0.00	0.00	0.00
16,300.00	90.00	179.99	12,099.80	-4,428.59	-1,444.40	4,587.68	0.00	0.00	0.00
16,400.00	90.00	179.99	12,099.80	-4,528.59	-1,444.39	4,686.69	0.00	0.00	0.00
16,500.00	90.00	179.99	12,099.80	-4,628.59	-1,444.38	4,785.69	0.00	0.00	0.00
16,600.00	90.00	179.99	12,099.80	-4,728.59	-1,444.37	4,884.70	0.00	0.00	0.00
16,700.00	90.00	179.99	12,099.80	-4,828.59	-1,444.36	4,983.71	0.00	0.00	0.00
16,800.00	90.00	179.99	12,099.80	-4,928.59	-1,444.35	5,082.71	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 601H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3659.80usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3659.80usft (TBD)
Site:	Crunch Berry 6 Federal Com	North Reference:	True
Well:	601H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 04-30-21		

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)
16,900.00	90.00	179.99	12,099.80	-5,028.59	-1,444.34	5,181.72	0.00	0.00	0.00
17,000.00	90.00	179.99	12,099.80	-5,128.59	-1,444.33	5,280.72	0.00	0.00	0.00
17,100.00	90.00	179.99	12,099.80	-5,228.59	-1,444.32	5,379.73	0.00	0.00	0.00
17,200.00	90.00	179.99	12,099.80	-5,328.59	-1,444.31	5,478.73	0.00	0.00	0.00
17,300.00	90.00	179.99	12,099.80	-5,428.59	-1,444.30	5,577.74	0.00	0.00	0.00
17,400.00	90.00	179.99	12,099.80	-5,528.59	-1,444.29	5,676.74	0.00	0.00	0.00
17,500.00	90.00	179.99	12,099.80	-5,628.59	-1,444.28	5,775.75	0.00	0.00	0.00
17,600.00	90.00	179.99	12,099.80	-5,728.59	-1,444.27	5,874.75	0.00	0.00	0.00
17,700.00	90.00	179.99	12,099.80	-5,828.59	-1,444.26	5,973.76	0.00	0.00	0.00
17,800.00	90.00	179.99	12,099.80	-5,928.59	-1,444.25	6,072.76	0.00	0.00	0.00
17,900.00	90.00	179.99	12,099.80	-6,028.59	-1,444.24	6,171.77	0.00	0.00	0.00
18,000.00	90.00	179.99	12,099.80	-6,128.59	-1,444.23	6,270.77	0.00	0.00	0.00
18,100.00	90.00	179.99	12,099.80	-6,228.59	-1,444.22	6,369.78	0.00	0.00	0.00
18,200.00	90.00	179.99	12,099.80	-6,328.59	-1,444.21	6,468.78	0.00	0.00	0.00
18,300.00	90.00	179.99	12,099.80	-6,428.59	-1,444.20	6,567.79	0.00	0.00	0.00
18,400.00	90.00	179.99	12,099.80	-6,528.59	-1,444.19	6,666.79	0.00	0.00	0.00
18,500.00	90.00	179.99	12,099.80	-6,628.59	-1,444.18	6,765.80	0.00	0.00	0.00
18,600.00	90.00	179.99	12,099.80	-6,728.59	-1,444.17	6,864.80	0.00	0.00	0.00
18,700.00	90.00	179.99	12,099.80	-6,828.59	-1,444.16	6,963.81	0.00	0.00	0.00
18,800.00	90.00	179.99	12,099.80	-6,928.59	-1,444.15	7,062.81	0.00	0.00	0.00
18,900.00	90.00	179.99	12,099.80	-7,028.59	-1,444.14	7,161.82	0.00	0.00	0.00
19,000.00	90.00	179.99	12,099.80	-7,128.59	-1,444.13	7,260.82	0.00	0.00	0.00
19,100.00	90.00	179.99	12,099.80	-7,228.59	-1,444.12	7,359.83	0.00	0.00	0.00
19,200.00	90.00	179.99	12,099.80	-7,328.59	-1,444.11	7,458.83	0.00	0.00	0.00
19,300.00	90.00	179.99	12,099.80	-7,428.59	-1,444.10	7,557.84	0.00	0.00	0.00
19,400.00	90.00	179.99	12,099.80	-7,528.59	-1,444.09	7,656.84	0.00	0.00	0.00
19,500.00	90.00	179.99	12,099.80	-7,628.59	-1,444.08	7,755.85	0.00	0.00	0.00
19,600.00	90.00	179.99	12,099.80	-7,728.59	-1,444.07	7,854.85	0.00	0.00	0.00
19,700.00	90.00	179.99	12,099.80	-7,828.59	-1,444.06	7,953.86	0.00	0.00	0.00
19,800.00	90.00	179.99	12,099.80	-7,928.59	-1,444.05	8,052.87	0.00	0.00	0.00
19,900.00	90.00	179.99	12,099.80	-8,028.59	-1,444.04	8,151.87	0.00	0.00	0.00
20,000.00	90.00	179.99	12,099.80	-8,128.59	-1,444.03	8,250.88	0.00	0.00	0.00
20,100.00	90.00	179.99	12,099.80	-8,228.59	-1,444.02	8,349.88	0.00	0.00	0.00
20,200.00	90.00	179.99	12,099.80	-8,328.59	-1,444.01	8,448.89	0.00	0.00	0.00
20,300.00	90.00	179.99	12,099.80	-8,428.59	-1,444.00	8,547.89	0.00	0.00	0.00
20,400.00	90.00	179.99	12,099.80	-8,528.59	-1,443.99	8,646.90	0.00	0.00	0.00
20,500.00	90.00	179.99	12,099.80	-8,628.59	-1,443.98	8,745.90	0.00	0.00	0.00
20,600.00	90.00	179.99	12,099.80	-8,728.59	-1,443.97	8,844.91	0.00	0.00	0.00
20,700.00	90.00	179.99	12,099.80	-8,828.59	-1,443.96	8,943.91	0.00	0.00	0.00
20,800.00	90.00	179.99	12,099.80	-8,928.59	-1,443.95	9,042.92	0.00	0.00	0.00
20,900.00	90.00	179.99	12,099.80	-9,028.59	-1,443.94	9,141.92	0.00	0.00	0.00
21,000.00	90.00	179.99	12,099.80	-9,128.59	-1,443.93	9,240.93	0.00	0.00	0.00
21,100.00	90.00	179.99	12,099.80	-9,228.59	-1,443.92	9,339.93	0.00	0.00	0.00
21,200.00	90.00	179.99	12,099.80	-9,328.59	-1,443.91	9,438.94	0.00	0.00	0.00
21,300.00	90.00	179.99	12,099.80	-9,428.59	-1,443.90	9,537.94	0.00	0.00	0.00
21,400.00	90.00	179.99	12,099.80	-9,528.59	-1,443.89	9,636.95	0.00	0.00	0.00
21,500.00	90.00	179.99	12,099.80	-9,628.59	-1,443.88	9,735.95	0.00	0.00	0.00
21,600.00	90.00	179.99	12,099.80	-9,728.59	-1,443.87	9,834.96	0.00	0.00	0.00
21,700.00	90.00	179.99	12,099.80	-9,828.59	-1,443.86	9,933.96	0.00	0.00	0.00
21,800.00	90.00	179.99	12,099.80	-9,928.59	-1,443.85	10,032.97	0.00	0.00	0.00
21,900.00	90.00	179.99	12,099.80	-10,028.59	-1,443.84	10,131.97	0.00	0.00	0.00
22,000.00	90.00	179.99	12,099.80	-10,128.59	-1,443.83	10,230.98	0.00	0.00	0.00
22,037.96	90.00	179.99	12,099.80	-10,166.55	-1,443.83	10,268.56	0.00	0.00	0.00



Planning Report



Database:	USA Compass	Local Co-ordinate Reference:	Well 601H
Company:	Centennial Resources Development, Inc.	TVD Reference:	RKB @ 3659.80usft (TBD)
Project:	Lea County, NM (NAD83 - UTM Zone 13)	MD Reference:	RKB @ 3659.80usft (TBD)
Site:	Crunch Berry 6 Federal Com	North Reference:	True
Well:	601H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan 1 04-30-21		

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)
TD at 22037.96									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
BHL - Crunch Berry 6 Fe	0.00	179.99	12,099.80	-10,166.55	-1,443.83	11,763,944.72	2,098,172.28	32° 23' 57.254294 N 103° 30' 59.263440 W	
- plan hits target center									
- Rectangle (sides W0.00 H10,060.84 D20.00)									
FTP - Crunch Berry 6 Fe	0.00	0.00	12,099.80	-104.11	-1,444.83	11,774,004.57	2,098,031.12	32° 25' 36.820919 N 103° 30' 59.281038 W	
- plan misses target center by 237.34usft at 12100.00usft MD (11933.05 TVD, -273.00 N, -1444.81 E)									
- Point									

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,869.80	1,869.80	Rustler		0.00	188.08
2,196.84	2,196.80	Salado		0.00	188.08
3,683.25	3,667.80	Base of Last Salt		0.00	188.08
3,693.40	3,677.80	Yates		0.00	188.08
4,001.08	3,980.80	Capitan		0.00	188.08
5,662.32	5,616.80	Cherry Canyon		0.00	188.08
6,007.56	5,956.80	Manzanita Lime		0.00	188.08
7,256.54	7,186.80	Brushy Canyon		0.00	188.08
9,022.36	8,925.80	Bone Spring Lime		0.00	188.08
9,160.46	9,061.80	Avalon		0.00	188.08
10,197.21	10,082.80	FBSG Sand		0.00	188.08
10,374.89	10,257.80	SBSG Shale		0.00	188.08
10,714.20	10,593.80	SBSG Sand		0.00	188.08
11,268.44	11,146.80	TBSG Carb		0.00	188.08
11,865.60	11,738.80	TBSG Sand		0.00	188.08

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,000.00	2,000.00	0.00	0.00	KOP, Begin 1.00°/100' Build
3,000.00	2,994.93	-6.26	-86.82	Hold 10.00° Inc at 265.88° Azm
10,339.47	10,222.90	-97.86	-1,358.01	Begin 1.00°/100' Drop
11,339.47	11,217.83	-104.11	-1,444.83	Begin Vertical Hold
11,648.48	11,526.84	-104.11	-1,444.83	KOP2, Begin 10.00°/100' Build
12,548.48	12,099.80	-677.07	-1,444.77	LP, Hold 90.00° Inc at 179.99° Azm
22,037.96	12,099.80	-10,166.55	-1,443.83	TD at 22037.96



Centennial Resources Development, Inc.

**Lea County, NM (NAD83 - UTM Zone 13)
Crunch Berry 6 Federal Com
601H**

**OH
Plan 1 04-30-21**

Anticollision Report

30 April, 2021





Anticollision Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3659.80usft (TBD)
Reference Site:	Crunch Berry 6 Federal Com	MD Reference:	RKB @ 3659.80usft (TBD)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	601H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 04-30-21	Offset TVD Reference:	Reference Datum

Reference	Plan 1 04-30-21
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria
Interpolation Method:	MD Interval 100.00usft
Depth Range:	Unlimited
Results Limited by:	Maximum centre distance of 50,000.00usft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Pedal Curve
Casing Method:	Not applied

Survey Tool Program		Date	4/30/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.00	22,037.96	Plan 1 04-30-21 (OH)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Tenderloin Federal Com						
501H - OH / 67247 - Surveys (McVay 8)	11,040.98	11,126.00	681.19	628.09	12.827	CC, ES
501H - OH / 67247 - Surveys (McVay 8)	22,037.96	21,069.00	1,197.33	1,023.24	6.877	SF
502H - OH / 67248 - Surveys (McVay 8)	10,863.09	10,682.90	1,855.12	1,806.70	38.311	CC, ES
502H - OH / 67248 - Surveys (McVay 8)	22,037.96	20,794.20	2,337.15	2,156.12	12.910	SF

Offset Design: Tenderloin Federal Com - 501H - OH / 67247 - Surveys (McVay 8)												Offset Site Error:	0.00 usft
Survey Program: 100-, 9558-		Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned: Distance		Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	0.00	42.30	1.00	1.00	-91.41	-72.69	-2,950.80	2,951.99				
100.00	100.00	48.37	90.67	1.04	1.00	-91.41	-72.68	-2,950.87	2,951.78	2,949.76	2.02	1,458.914	
200.00	200.00	146.05	188.35	1.36	1.01	-91.41	-72.68	-2,951.36	2,952.28	2,950.02	2.26	1,309.076	
300.00	300.00	245.00	287.30	1.75	1.03	-91.41	-72.79	-2,951.72	2,952.64	2,950.06	2.58	1,142.291	
400.00	400.00	367.30	409.59	2.12	1.07	-91.42	-73.02	-2,952.12	2,953.04	2,950.10	2.94	1,003.488	
500.00	500.00	539.94	582.20	2.49	1.07	-91.43	-73.48	-2,948.76	2,950.82	2,947.54	3.28	899.288	
600.00	600.00	638.98	681.20	2.86	1.10	-91.43	-73.45	-2,946.07	2,948.11	2,944.46	3.64	808.879	
700.00	700.00	736.57	778.76	3.23	1.13	-91.42	-73.20	-2,943.46	2,945.42	2,941.39	4.03	731.616	
800.00	800.00	830.14	872.29	3.59	1.17	-91.42	-72.78	-2,941.14	2,942.93	2,938.51	4.42	665.782	
900.00	900.00	920.30	962.43	3.96	1.23	-91.41	-72.33	-2,939.06	2,940.61	2,935.79	4.82	609.506	
1,000.00	1,000.00	1,018.41	1,060.52	4.32	1.29	-91.40	-71.92	-2,937.08	2,938.58	2,933.34	5.24	560.333	
1,100.00	1,100.00	1,111.08	1,153.17	4.68	1.36	-91.40	-71.55	-2,935.21	2,936.57	2,930.90	5.67	517.988	
1,200.00	1,200.00	1,201.90	1,243.98	5.04	1.44	-91.39	-71.33	-2,933.85	2,935.05	2,928.95	6.10	481.147	
1,300.00	1,300.00	1,295.22	1,337.29	5.41	1.52	-91.39	-71.02	-2,932.59	2,933.69	2,927.15	6.54	448.673	
1,400.00	1,400.00	1,391.72	1,433.78	5.77	1.62	-91.38	-70.83	-2,931.35	2,932.40	2,925.41	6.99	419.755	
1,500.00	1,500.00	1,485.17	1,527.22	6.13	1.71	-91.38	-70.74	-2,930.47	2,931.45	2,924.01	7.44	394.264	
1,600.00	1,600.00	1,575.00	1,617.05	6.49	1.80	-91.38	-70.57	-2,929.76	2,930.66	2,922.77	7.88	371.734	
1,700.00	1,700.00	1,670.43	1,712.49	6.85	1.90	-91.38	-70.81	-2,929.25	2,930.13	2,921.80	8.33	351.624	
1,800.00	1,800.00	1,770.44	1,812.49	7.21	1.97	-91.40	-71.70	-2,928.87	2,929.78	2,921.02	8.76	334.596	
1,900.00	1,900.00	1,877.68	1,919.72	7.57	2.04	-91.44	-73.40	-2,928.32	2,929.30	2,920.12	9.18	319.064	
2,000.00	2,000.00	2,039.07	2,081.03	7.93	2.19	-91.52	-77.41	-2,925.77	2,927.92	2,918.26	9.66	303.074	
2,100.00	2,099.99	2,318.37	2,359.70	8.24	2.50	2.48	-83.52	-2,909.29	2,921.18	2,910.93	10.25	285.000	
2,200.00	2,199.96	2,422.72	2,463.64	8.55	2.61	2.50	-82.83	-2,900.12	2,909.79	2,899.08	10.71	271.755	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3659.80usft (TBD)
Reference Site:	Crunch Berry 6 Federal Com	MD Reference:	RKB @ 3659.80usft (TBD)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	601H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 04-30-21	Offset TVD Reference:	Reference Datum

Offset Design: Tenderloin Federal Com - 501H - OH / 67247 - Surveys (McVay 8)														Offset Site Error:	0.00 usft
Survey Program: 100-, 9558- Reference														Offset Well Error:	1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Rule Assigned: Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
+N/-S (usft)	+E/-W (usft)														
2,300.00	2,299.86	2,584.72	2,624.78	8.85	2.78	2.60	-77.78	-2,884.29	2,895.78	2,884.57	11.21	258.293			
2,400.00	2,399.68	2,664.59	2,704.12	9.17	2.87	2.66	-75.41	-2,875.44	2,878.63	2,866.98	11.65	247.116			
2,500.00	2,499.37	2,759.61	2,798.63	9.48	2.97	2.69	-74.43	-2,865.66	2,860.55	2,848.44	12.10	236.367			
2,600.00	2,598.90	2,825.00	2,863.67	9.80	3.05	2.70	-74.49	-2,858.87	2,840.86	2,828.32	12.53	226.694			
2,700.00	2,698.26	2,880.40	2,918.86	10.12	3.12	2.71	-74.84	-2,854.06	2,821.02	2,808.06	12.95	217.790			
2,800.00	2,797.40	2,967.10	3,005.30	10.44	3.22	2.71	-75.42	-2,847.48	2,800.50	2,787.10	13.40	208.949			
2,900.00	2,896.30	3,174.16	3,211.43	10.77	3.47	2.70	-77.49	-2,828.22	2,776.75	2,762.80	13.95	199.059			
3,000.00	2,994.93	3,250.00	3,286.81	11.09	3.56	2.71	-77.78	-2,819.79	2,749.44	2,735.05	14.39	191.054			
3,100.00	3,093.41	3,348.17	3,384.40	11.42	3.67	2.76	-76.15	-2,809.36	2,721.69	2,706.84	14.85	183.302			
3,200.00	3,191.89	3,415.48	3,451.34	11.76	3.75	2.80	-74.76	-2,802.41	2,694.29	2,679.00	15.29	176.262			
3,300.00	3,290.37	3,491.63	3,527.18	12.09	3.84	2.84	-73.68	-2,795.56	2,668.08	2,652.34	15.73	169.589			
3,400.00	3,388.85	3,606.98	3,642.04	12.43	3.98	2.87	-72.89	-2,785.00	2,641.79	2,625.58	16.21	162.989			
3,500.00	3,487.33	3,686.65	3,721.32	12.77	4.07	2.88	-72.85	-2,777.24	2,615.01	2,598.34	16.66	156.939			
3,600.00	3,585.82	3,725.00	3,759.56	13.11	4.12	2.90	-72.49	-2,774.32	2,590.09	2,573.00	17.09	151.542			
3,700.00	3,684.30	3,786.71	3,821.15	13.45	4.19	2.94	-71.18	-2,770.68	2,566.88	2,549.35	17.53	146.388			
3,800.00	3,782.78	3,878.92	3,913.20	13.80	4.29	3.02	-68.44	-2,766.07	2,544.57	2,526.57	18.00	141.396			
3,900.00	3,881.26	3,969.25	4,003.39	14.16	4.39	3.10	-65.52	-2,761.78	2,522.49	2,504.04	18.46	136.681			
4,000.00	3,979.74	4,086.38	4,120.31	14.54	4.51	3.21	-61.79	-2,755.88	2,500.19	2,481.26	18.93	132.058			
4,100.00	4,078.22	4,283.27	4,316.45	14.91	4.73	3.46	-53.00	-2,741.38	2,475.75	2,456.31	19.44	127.369			
4,200.00	4,176.70	4,361.76	4,394.50	15.28	4.82	3.57	-49.28	-2,734.01	2,449.22	2,429.32	19.90	123.084			
4,300.00	4,275.18	4,427.79	4,460.29	15.66	4.90	3.63	-47.75	-2,728.62	2,423.85	2,403.49	20.36	119.045			
4,400.00	4,373.66	4,519.76	4,551.98	16.04	5.01	3.70	-45.82	-2,721.75	2,399.19	2,378.36	20.83	115.156			
4,500.00	4,472.14	4,667.08	4,698.68	16.41	5.19	3.88	-40.19	-2,709.56	2,373.82	2,352.51	21.32	111.357			
4,600.00	4,570.62	4,750.00	4,781.15	16.79	5.29	3.98	-37.06	-2,701.59	2,347.14	2,325.35	21.79	107.729			
4,700.00	4,669.10	4,815.89	4,846.82	17.17	5.37	4.01	-36.61	-2,696.20	2,321.77	2,299.51	22.26	104.306			
4,800.00	4,767.58	4,905.04	4,935.71	17.55	5.48	4.02	-37.30	-2,689.53	2,297.12	2,274.39	22.74	101.030			
4,900.00	4,866.07	4,983.51	5,014.01	17.92	5.58	4.05	-37.08	-2,684.26	2,273.20	2,249.98	23.21	97.922			
5,000.00	4,964.55	5,129.77	5,159.83	18.30	5.75	4.20	-33.16	-2,673.82	2,249.10	2,225.40	23.70	94.909			
5,100.00	5,063.03	5,227.34	5,256.93	18.68	5.87	4.35	-28.72	-2,665.34	2,223.28	2,199.11	24.17	91.983			
5,200.00	5,161.51	5,332.45	5,361.52	19.06	5.99	4.52	-23.93	-2,656.08	2,197.37	2,172.72	24.64	89.166			
5,300.00	5,259.99	5,464.49	5,492.75	19.43	6.15	4.74	-17.80	-2,642.84	2,170.25	2,145.14	25.11	86.432			
5,400.00	5,358.47	5,566.39	5,593.92	19.81	6.27	4.90	-13.40	-2,631.54	2,142.15	2,116.56	25.58	83.734			
5,500.00	5,456.95	5,695.73	5,722.22	20.19	6.43	5.12	-7.69	-2,616.20	2,113.31	2,087.27	26.04	81.151			
5,600.00	5,555.43	5,812.08	5,837.38	20.57	6.57	5.37	-1.12	-2,600.92	2,083.29	2,056.79	26.50	78.612			
5,700.00	5,653.91	5,896.62	5,920.99	20.95	6.67	5.57	4.15	-2,589.59	2,053.05	2,026.07	26.98	76.087			
5,800.00	5,752.39	5,979.30	6,002.82	21.32	6.77	5.77	9.30	-2,579.01	2,023.43	1,995.96	27.47	73.665			
5,900.00	5,850.87	6,072.63	6,095.23	21.70	6.88	6.01	15.12	-2,567.25	1,994.02	1,966.07	27.95	71.354			
6,000.00	5,949.35	6,156.69	6,178.49	22.08	6.99	6.23	20.75	-2,557.14	1,965.20	1,936.76	28.43	69.121			
6,100.00	6,047.83	6,335.25	6,354.97	22.46	7.20	6.66	30.15	-2,531.96	1,934.24	1,905.42	28.82	67.123			
6,200.00	6,146.32	6,412.75	6,431.50	22.84	7.30	6.73	30.41	-2,519.82	1,901.83	1,872.52	29.31	64.877			
6,300.00	6,244.80	6,450.00	6,468.42	23.22	7.34	6.76	30.28	-2,514.81	1,871.47	1,841.60	29.86	62.668			
6,400.00	6,343.28	6,489.08	6,507.30	23.59	7.39	6.78	29.76	-2,510.95	1,844.24	1,813.84	30.40	60.665			
6,500.00	6,441.76	6,575.06	6,592.96	23.97	7.49	6.80	28.54	-2,503.59	1,818.57	1,787.68	30.89	58.866			
6,600.00	6,540.24	6,671.12	6,688.68	24.35	7.61	6.85	27.69	-2,495.58	1,793.14	1,761.76	31.38	57.143			
6,700.00	6,638.72	6,758.66	6,775.94	24.73	7.72	6.91	27.27	-2,488.59	1,768.07	1,736.19	31.88	55.468			
6,800.00	6,737.20	6,850.81	6,867.82	25.11	7.84	6.98	27.00	-2,481.58	1,743.38	1,711.01	32.37	53.861			
6,900.00	6,835.68	6,942.78	6,959.53	25.49	7.95	7.06	27.15	-2,474.70	1,718.84	1,685.98	32.86	52.305			
7,000.00	6,934.16	7,034.12	7,050.64	25.87	8.07	7.15	27.51	-2,468.30	1,694.76	1,661.41	33.36	50.806			
7,100.00	7,032.64	7,125.12	7,141.44	26.24	8.19	7.25	27.99	-2,462.19	1,670.99	1,637.14	33.85	49.358			
7,200.00	7,131.12	7,221.68	7,237.79	26.62	8.31	7.35	28.39	-2,455.89	1,647.39	1,613.05	34.35	47.964			
7,300.00	7,229.60	7,311.66	7,327.59	27.00	8.42	7.45	28.80	-2,450.25	1,624.06	1,589.22	34.85	46.607			
7,400.00	7,328.09	7,397.95	7,413.75	27.38	8.53	7.54	28.99	-2,445.40	1,601.34	1,565.99	35.35	45.299			

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3659.80usft (TBD)
Reference Site:	Crunch Berry 6 Federal Com	MD Reference:	RKB @ 3659.80usft (TBD)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	601H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 04-30-21	Offset TVD Reference:	Reference Datum

Offset Design: Tenderloin Federal Com - 501H - OH / 67247 - Surveys (McVay 8)

Offset Site Error: 0.00 usft

Offset Well Error: 1.00 usft

Survey Program: Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
7,500.00	7,426.57	7,475.00	7,490.69	27.76	8.63	7.63	29.53	-2,441.36	1,579.13	1,543.27	35.86	44.033	
7,600.00	7,525.05	7,539.37	7,554.96	28.14	8.69	7.80	32.46	-2,439.57	1,559.29	1,522.93	36.36	42.889	
7,700.00	7,623.53	7,630.87	7,646.34	28.52	8.76	8.05	36.76	-2,437.67	1,540.35	1,503.54	36.81	41.849	
7,800.00	7,722.01	7,735.66	7,751.01	28.90	8.85	8.32	41.26	-2,435.80	1,521.70	1,484.46	37.24	40.863	
7,900.00	7,820.49	7,894.83	7,909.63	29.28	9.00	8.93	52.37	-2,428.78	1,500.73	1,463.13	37.60	39.918	
8,000.00	7,918.97	8,050.00	8,063.71	29.66	9.18	9.59	63.25	-2,414.32	1,474.56	1,436.61	37.95	38.854	
8,100.00	8,017.45	8,181.48	8,194.24	30.03	9.34	10.05	69.29	-2,399.88	1,447.34	1,409.00	38.34	37.747	
8,200.00	8,115.93	8,272.47	8,284.50	30.41	9.45	10.30	71.46	-2,388.60	1,418.44	1,379.60	38.84	36.521	
8,300.00	8,214.41	8,360.19	8,371.59	30.79	9.56	10.55	73.42	-2,378.22	1,390.08	1,350.73	39.34	35.331	
8,400.00	8,312.89	8,437.04	8,447.96	31.17	9.66	10.75	74.76	-2,369.87	1,362.63	1,322.75	39.88	34.168	
8,500.00	8,411.37	8,522.75	8,533.26	31.55	9.77	10.98	76.20	-2,361.50	1,336.26	1,295.86	40.40	33.080	
8,600.00	8,509.85	8,613.23	8,623.36	31.93	9.88	11.22	77.56	-2,353.34	1,310.61	1,269.71	40.90	32.045	
8,700.00	8,608.34	8,690.51	8,700.37	32.31	9.98	11.42	78.62	-2,347.07	1,285.83	1,244.40	41.44	31.031	
8,800.00	8,706.82	8,778.39	8,788.02	32.69	10.09	11.65	79.82	-2,340.93	1,262.18	1,220.23	41.95	30.088	
8,900.00	8,805.30	8,863.58	8,873.06	33.07	10.20	11.87	80.71	-2,335.67	1,239.30	1,196.83	42.47	29.181	
9,000.00	8,903.78	8,952.47	8,961.81	33.45	10.32	12.10	81.75	-2,330.97	1,217.30	1,174.32	42.98	28.323	
9,100.00	9,002.26	9,063.15	9,072.33	33.83	10.46	12.39	82.95	-2,325.15	1,195.38	1,151.94	43.43	27.521	
9,200.00	9,100.74	9,169.15	9,178.10	34.21	10.59	12.58	81.79	-2,318.40	1,172.06	1,128.16	43.90	26.696	
9,300.00	9,199.22	9,264.74	9,273.49	34.59	10.71	12.76	80.75	-2,312.10	1,148.56	1,104.16	44.40	25.868	
9,400.00	9,297.70	9,338.43	9,347.07	34.97	10.80	12.92	80.47	-2,308.13	1,126.32	1,081.36	44.96	25.050	
9,500.00	9,396.18	9,416.05	9,424.63	35.35	10.90	13.14	81.10	-2,305.29	1,105.95	1,060.45	45.50	24.304	
9,600.00	9,494.66	9,511.29	9,519.82	35.73	11.02	13.42	82.23	-2,302.73	1,086.60	1,040.61	45.99	23.625	
9,700.00	9,593.14	9,610.22	9,618.71	36.11	11.04	13.73	83.53	-2,300.22	1,067.45	1,021.06	46.39	23.008	
9,800.00	9,691.62	9,710.13	9,718.58	36.49	11.05	14.04	84.46	-2,297.53	1,048.12	1,001.34	46.77	22.408	
9,900.00	9,790.10	9,802.41	9,810.83	36.86	11.07	14.27	84.34	-2,295.25	1,028.86	981.67	47.19	21.803	
10,000.00	9,888.59	9,892.31	9,900.73	37.24	11.11	14.52	84.53	-2,293.83	1,010.52	962.90	47.62	21.220	
10,100.00	9,987.07	9,983.26	9,991.66	37.62	11.15	14.83	85.67	-2,292.78	992.81	944.75	48.06	20.659	
10,200.00	10,085.55	10,072.74	10,081.14	38.00	11.19	15.04	85.30	-2,292.89	976.05	927.54	48.51	20.121	
10,300.00	10,184.03	10,167.21	10,175.60	38.38	11.25	15.25	84.65	-2,293.74	960.02	911.06	48.96	19.609	
10,400.00	10,282.56	10,266.65	10,275.03	38.76	11.32	15.43	83.72	-2,294.76	944.38	894.98	49.40	19.118	
10,500.00	10,381.36	11,001.21	10,842.18	39.13	12.41	-6.77	-232.53	-2,120.68	879.37	831.41	47.96	18.336	
10,600.00	10,480.41	11,031.00	10,853.30	39.50	12.49	-8.98	-257.68	-2,109.23	818.86	769.96	48.90	16.745	
10,700.00	10,579.69	11,058.45	10,863.33	39.87	12.58	-11.02	-281.05	-2,098.89	766.97	717.09	49.88	15.377	
10,800.00	10,679.16	11,083.82	10,872.20	40.24	12.65	-12.94	-302.94	-2,089.65	725.68	674.82	50.86	14.269	
10,900.00	10,778.79	11,107.78	10,879.99	40.60	12.73	-14.78	-323.97	-2,081.19	696.95	645.13	51.82	13.449	
11,000.00	10,878.56	11,126.00	10,885.41	40.96	12.79	-16.22	-340.19	-2,074.94	682.57	629.82	52.75	12.941	
11,040.98	10,919.47	11,126.00	10,885.41	41.11	12.79	-16.21	-340.19	-2,074.94	681.19	628.09	53.11	12.827 CC, ES	
11,100.00	10,978.43	11,142.01	10,889.81	41.32	12.85	-17.52	-354.64	-2,069.62	683.69	630.09	53.60	12.756	
11,200.00	11,078.37	11,154.57	10,892.99	41.67	12.89	-18.60	-366.11	-2,065.61	700.39	646.09	54.30	12.898	
11,300.00	11,178.36	11,173.00	10,897.24	42.02	12.96	-20.22	-383.14	-2,059.99	731.76	676.99	54.77	13.359	
11,400.00	11,278.36	11,173.00	10,897.24	42.35	12.96	-114.40	-383.14	-2,059.99	775.58	720.58	55.00	14.102	
11,500.00	11,378.36	11,188.66	10,900.55	42.68	13.01	-115.68	-397.74	-2,055.40	829.05	774.03	55.02	15.068	
11,600.00	11,478.36	11,199.91	10,902.81	43.00	13.06	-116.60	-408.28	-2,052.18	890.31	835.40	54.91	16.215	
11,700.00	11,578.29	11,220.00	10,906.62	43.34	13.13	57.75	-427.20	-2,046.59	957.16	902.42	54.73	17.488	
11,800.00	11,676.60	11,220.00	10,906.62	43.77	13.13	50.63	-427.20	-2,046.59	1,023.18	968.61	54.57	18.751	
11,900.00	11,770.36	11,249.32	10,911.74	44.17	13.24	43.18	-455.08	-2,039.12	1,085.54	1,031.07	54.48	19.926	
12,000.00	11,856.72	11,268.00	10,914.77	44.53	13.32	37.88	-473.03	-2,034.92	1,142.55	1,088.12	54.43	20.992	
12,100.00	11,933.05	11,296.77	10,918.74	44.84	13.43	33.60	-500.97	-2,029.34	1,192.67	1,138.21	54.46	21.899	
12,200.00	11,997.05	11,315.00	10,920.69	45.08	13.51	30.69	-518.85	-2,026.37	1,235.07	1,180.53	54.54	22.643	
12,300.00	12,046.76	11,363.00	10,923.59	45.26	13.70	28.17	-566.30	-2,019.87	1,268.51	1,213.73	54.77	23.159	
12,400.00	12,080.67	11,425.56	10,925.01	45.39	13.97	26.41	-628.36	-2,012.06	1,291.11	1,236.00	55.11	23.427	
12,500.00	12,097.75	11,541.26	10,927.52	45.49	14.52	25.11	-742.89	-1,995.85	1,298.52	1,242.89	55.64	23.340	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3659.80usft (TBD)
Reference Site:	Crunch Berry 6 Federal Com	MD Reference:	RKB @ 3659.80usft (TBD)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	601H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 04-30-21	Offset TVD Reference:	Reference Datum

Offset Design: Tenderloin Federal Com - 501H - OH / 67247 - Surveys (McVay 8)													Offset Site Error: 0.00 usft
Survey Program: 100-, 9558- Reference													Offset Well Error: 1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
12,600.00	12,099.80	11,642.39	10,930.40	45.59	15.03	24.59	-842.71	-1,979.94	1,291.09	1,235.00	56.10	23.016	
12,700.00	12,099.80	11,715.03	10,932.34	45.70	15.42	24.23	-914.67	-1,970.23	1,283.15	1,226.73	56.42	22.743	
12,800.00	12,099.80	11,788.00	10,932.92	45.82	15.83	23.94	-987.27	-1,962.91	1,278.10	1,221.30	56.80	22.501	
12,900.00	12,099.80	11,854.67	10,932.88	45.96	16.20	23.77	-1,053.80	-1,958.75	1,275.36	1,218.14	57.23	22.286	
13,000.00	12,099.80	11,981.97	10,934.79	46.10	16.93	23.65	-1,181.02	-1,954.86	1,272.88	1,214.99	57.89	21.988	
13,100.00	12,099.80	12,078.07	10,938.43	46.26	17.51	23.67	-1,277.04	-1,953.86	1,268.99	1,210.47	58.53	21.682	
13,200.00	12,099.80	12,186.67	10,944.33	46.43	18.18	23.87	-1,385.46	-1,956.06	1,264.84	1,205.56	59.28	21.335	
13,300.00	12,099.80	12,287.04	10,950.70	46.60	18.82	24.10	-1,485.59	-1,958.68	1,260.10	1,200.05	60.06	20.982	
13,400.00	12,099.80	12,357.00	10,954.53	46.79	19.27	24.25	-1,555.42	-1,960.63	1,256.40	1,195.66	60.74	20.684	
13,476.24	12,099.80	12,406.81	10,956.17	46.95	19.60	24.35	-1,605.17	-1,962.31	1,255.32	1,194.05	61.27	20.489	
13,500.00	12,099.80	12,420.02	10,956.35	47.00	19.68	24.38	-1,618.37	-1,962.83	1,255.41	1,193.99	61.43	20.438	
13,600.00	12,099.80	12,495.95	10,955.79	47.21	20.18	24.50	-1,694.23	-1,965.98	1,257.66	1,195.47	62.19	20.223	
13,700.00	12,099.80	12,596.98	10,953.98	47.43	20.86	24.57	-1,795.21	-1,968.43	1,260.30	1,197.27	63.03	19.994	
13,800.00	12,099.80	12,696.76	10,951.62	47.67	21.55	24.57	-1,894.95	-1,969.69	1,262.98	1,199.09	63.90	19.766	
13,900.00	12,099.80	12,794.67	10,948.88	47.91	22.24	24.54	-1,992.82	-1,970.05	1,265.69	1,200.92	64.77	19.541	
14,000.00	12,099.80	12,915.67	10,945.77	48.17	23.11	24.48	-2,113.78	-1,969.96	1,268.06	1,202.32	65.74	19.288	
14,100.00	12,099.80	13,027.14	10,944.91	48.44	23.92	24.46	-2,225.25	-1,969.98	1,268.78	1,202.05	66.72	19.016	
14,200.00	12,099.80	13,174.00	10,947.22	48.71	25.01	24.49	-2,372.08	-1,969.64	1,267.27	1,199.42	67.86	18.676	
14,300.00	12,099.80	13,325.35	10,955.05	49.00	26.16	24.52	-2,523.19	-1,966.87	1,261.81	1,192.79	69.01	18.283	
14,400.00	12,099.80	13,401.00	10,958.98	49.30	26.75	24.52	-2,598.71	-1,964.95	1,255.85	1,185.89	69.97	17.949	
14,500.00	12,099.80	13,484.18	10,962.67	49.61	27.39	24.53	-2,681.80	-1,963.60	1,251.11	1,180.15	70.96	17.630	
14,600.00	12,099.80	13,547.08	10,964.63	49.92	27.88	24.56	-2,744.66	-1,963.39	1,248.21	1,176.30	71.92	17.357	
14,639.14	12,099.80	13,570.20	10,964.86	50.05	28.06	24.57	-2,767.78	-1,963.53	1,247.96	1,175.68	72.28	17.265	
14,700.00	12,099.80	13,611.71	10,964.67	50.25	28.38	24.59	-2,809.29	-1,964.05	1,248.51	1,175.63	72.88	17.132	
14,800.00	12,099.80	13,693.35	10,963.12	50.59	29.01	24.62	-2,890.90	-1,965.34	1,250.87	1,176.97	73.90	16.926	
14,900.00	12,099.80	13,795.49	10,960.40	50.93	29.80	24.60	-2,993.00	-1,966.12	1,253.61	1,178.60	75.01	16.712	
15,000.00	12,099.80	13,874.46	10,957.16	51.29	30.41	24.53	-3,071.90	-1,966.02	1,257.29	1,181.26	76.03	16.536	
15,100.00	12,099.80	13,986.27	10,952.70	51.65	31.29	24.51	-3,183.61	-1,967.58	1,261.52	1,184.31	77.21	16.338	
15,200.00	12,099.80	14,121.09	10,951.84	52.02	32.35	24.68	-3,318.34	-1,971.95	1,263.37	1,184.84	78.54	16.086	
15,300.00	12,099.80	14,226.85	10,952.43	52.40	33.18	24.79	-3,424.08	-1,974.39	1,263.83	1,184.07	79.76	15.846	
15,400.00	12,099.80	14,314.54	10,952.49	52.79	33.88	24.86	-3,511.75	-1,975.98	1,264.55	1,183.63	80.92	15.628	
15,500.00	12,099.80	14,456.58	10,954.23	53.19	35.02	25.02	-3,653.73	-1,979.14	1,264.44	1,182.16	82.29	15.366	
15,600.00	12,099.80	14,534.00	10,956.06	53.59	35.64	25.17	-3,731.07	-1,982.00	1,263.76	1,180.29	83.47	15.140	
15,602.42	12,099.80	14,534.00	10,956.06	53.60	35.64	25.17	-3,731.07	-1,982.00	1,263.76	1,180.26	83.49	15.136	
15,700.00	12,099.80	14,618.78	10,956.83	54.01	36.32	25.33	-3,815.77	-1,985.48	1,264.62	1,179.93	84.68	14.933	
15,800.00	12,099.80	14,733.30	10,957.99	54.43	37.24	25.50	-3,930.22	-1,989.18	1,265.09	1,179.08	86.01	14.709	
15,900.00	12,099.80	14,839.58	10,959.49	54.85	38.11	25.63	-4,036.46	-1,991.46	1,264.75	1,177.45	87.31	14.486	
16,000.00	12,099.80	14,944.13	10,960.83	55.29	38.96	25.68	-4,141.01	-1,992.00	1,263.82	1,175.22	88.59	14.266	
16,100.00	12,099.80	15,037.14	10,961.20	55.73	39.73	25.65	-4,234.01	-1,991.18	1,263.08	1,173.25	89.83	14.061	
16,200.00	12,099.80	15,133.41	10,960.15	56.18	40.52	25.53	-4,330.25	-1,988.72	1,262.96	1,171.90	91.07	13.869	
16,300.00	12,099.80	15,262.39	10,958.56	56.64	41.59	25.25	-4,459.06	-1,982.54	1,262.13	1,169.77	92.36	13.666	
16,400.00	12,099.80	15,401.27	10,959.30	57.10	42.75	24.78	-4,597.45	-1,970.96	1,258.07	1,164.47	93.60	13.441	
16,500.00	12,099.80	15,480.00	10,961.12	57.57	43.41	24.66	-4,676.06	-1,967.23	1,253.88	1,159.03	94.85	13.220	
16,600.00	12,099.80	15,617.77	10,969.69	58.04	44.56	24.76	-4,813.53	-1,965.64	1,247.44	1,151.21	96.22	12.964	
16,700.00	12,099.80	15,704.25	10,975.13	58.53	45.29	24.84	-4,899.84	-1,965.02	1,241.39	1,143.84	97.56	12.725	
16,800.00	12,099.80	15,816.36	10,982.36	59.01	46.23	24.96	-5,011.72	-1,964.52	1,235.37	1,136.45	98.92	12.489	
16,900.00	12,099.80	15,899.70	10,987.83	59.51	46.93	25.00	-5,094.86	-1,962.96	1,228.76	1,128.50	100.26	12.256	
17,000.00	12,099.80	15,953.00	10,989.64	60.01	47.38	24.99	-5,148.11	-1,961.67	1,224.94	1,123.41	101.53	12.065	
17,074.27	12,099.80	16,007.82	10,989.94	60.38	47.84	24.94	-5,202.91	-1,960.46	1,224.01	1,121.54	102.47	11.945	
17,100.00	12,099.80	16,023.58	10,989.74	60.51	47.97	24.93	-5,218.67	-1,960.19	1,224.11	1,121.33	102.78	11.910	
17,200.00	12,099.80	16,104.96	10,987.76	61.02	48.64	24.87	-5,300.02	-1,959.74	1,226.01	1,121.97	104.05	11.783	
17,300.00	12,099.80	16,182.90	10,986.24	61.54	49.29	24.92	-5,377.91	-1,961.79	1,228.97	1,123.66	105.32	11.669	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3659.80usft (TBD)
Reference Site:	Crunch Berry 6 Federal Com	MD Reference:	RKB @ 3659.80usft (TBD)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	601H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 04-30-21	Offset TVD Reference:	Reference Datum

Offset Design: Tenderloin Federal Com - 501H - OH / 67247 - Surveys (McVay 8)													Offset Site Error: 0.00 usft
Survey Program: 100-, 9558-		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
17,400.00	12,099.80	16,256.59	10,984.33	62.06	49.89	25.12	-5,451.37	-1,967.31	1,234.41	1,127.83	106.58	11.582	
17,500.00	12,099.80	16,366.17	10,982.21	62.58	50.78	25.51	-5,560.44	-1,977.60	1,240.19	1,132.09	108.10	11.473	
17,600.00	12,099.80	16,465.18	10,981.04	63.11	51.59	25.90	-5,658.94	-1,987.61	1,245.67	1,136.10	109.57	11.369	
17,700.00	12,099.80	16,641.96	10,981.39	63.65	53.04	26.49	-5,835.09	-2,001.65	1,249.62	1,138.20	111.42	11.216	
17,800.00	12,099.80	16,774.88	10,985.24	64.19	54.16	26.67	-5,967.91	-2,004.13	1,247.90	1,134.99	112.91	11.052	
17,900.00	12,099.80	16,868.95	10,988.43	64.73	54.96	26.71	-6,061.92	-2,003.51	1,244.60	1,130.29	114.31	10.888	
18,000.00	12,099.80	16,944.22	10,989.18	65.28	55.59	26.66	-6,137.17	-2,001.96	1,242.82	1,127.17	115.65	10.746	
18,029.70	12,099.80	16,965.39	10,989.02	65.45	55.77	26.64	-6,158.34	-2,001.48	1,242.72	1,126.68	116.04	10.710	
18,100.00	12,099.80	17,019.01	10,987.91	65.84	56.22	26.57	-6,211.94	-2,000.19	1,243.25	1,126.30	116.95	10.631	
18,200.00	12,099.80	17,104.31	10,984.69	66.39	56.94	26.39	-6,297.13	-1,997.59	1,245.27	1,127.02	118.25	10.531	
18,300.00	12,099.80	17,207.93	10,979.59	66.96	57.81	26.11	-6,400.53	-1,993.19	1,247.82	1,128.22	119.60	10.433	
18,400.00	12,099.80	17,311.66	10,974.42	67.52	58.69	25.73	-6,503.92	-1,986.53	1,249.49	1,128.56	120.93	10.332	
18,500.00	12,099.80	17,395.95	10,969.93	68.09	59.40	25.48	-6,587.99	-1,982.68	1,252.29	1,130.08	122.21	10.247	
18,600.00	12,099.80	17,505.12	10,965.59	68.66	60.32	25.33	-6,697.06	-1,981.07	1,255.26	1,131.63	123.63	10.153	
18,700.00	12,099.80	17,630.58	10,962.08	69.24	61.38	25.16	-6,822.44	-1,978.48	1,256.96	1,131.85	125.10	10.047	
18,800.00	12,099.80	17,719.59	10,960.34	69.82	62.13	25.02	-6,911.40	-1,975.87	1,257.53	1,131.07	126.46	9.944	
18,900.00	12,099.80	17,802.90	10,957.87	70.41	62.84	24.92	-6,994.66	-1,974.77	1,259.65	1,131.85	127.80	9.857	
19,000.00	12,099.80	17,908.94	10,954.14	70.99	63.73	24.81	-7,100.63	-1,973.82	1,262.49	1,133.26	129.23	9.769	
19,100.00	12,099.80	18,037.26	10,951.38	71.59	64.82	24.66	-7,228.89	-1,971.25	1,263.62	1,132.90	130.72	9.667	
19,105.92	12,099.80	18,044.90	10,951.29	71.62	64.88	24.65	-7,236.53	-1,971.04	1,263.62	1,132.81	130.81	9.660	
19,200.00	12,099.80	18,133.00	10,950.78	72.18	65.63	24.62	-7,324.62	-1,970.56	1,263.89	1,131.75	132.14	9.565	
19,300.00	12,099.80	18,256.69	10,952.01	72.78	66.68	24.70	-7,448.30	-1,972.13	1,263.58	1,129.92	133.66	9.454	
19,400.00	12,099.80	18,386.15	10,956.50	73.38	67.78	24.81	-7,577.67	-1,972.69	1,260.54	1,125.39	135.15	9.327	
19,500.00	12,099.80	18,497.79	10,961.46	73.98	68.74	24.87	-7,689.20	-1,971.75	1,256.15	1,119.55	136.61	9.195	
19,600.00	12,099.80	18,575.20	10,964.50	74.59	69.40	24.88	-7,766.53	-1,970.67	1,252.06	1,113.98	138.08	9.068	
19,700.00	12,099.80	18,678.92	10,967.58	75.20	70.29	24.95	-7,870.21	-1,970.76	1,249.43	1,109.87	139.55	8.953	
19,800.00	12,099.80	18,772.56	10,971.19	75.81	71.09	25.03	-7,963.78	-1,971.09	1,246.10	1,105.07	141.03	8.836	
19,900.00	12,099.80	18,876.72	10,974.41	76.43	71.98	25.10	-8,067.88	-1,971.11	1,243.32	1,100.81	142.51	8.724	
20,000.00	12,099.80	18,957.34	10,976.51	77.05	72.67	25.12	-8,148.48	-1,970.66	1,240.77	1,096.80	143.98	8.618	
20,100.00	12,099.80	19,045.80	10,976.99	77.67	73.42	25.09	-8,236.94	-1,969.79	1,239.84	1,094.42	145.42	8.526	
20,200.00	12,099.80	19,144.35	10,976.92	78.29	74.26	25.03	-8,335.47	-1,968.28	1,239.26	1,092.39	146.87	8.438	
20,300.00	12,099.80	19,288.24	10,977.83	78.92	75.49	24.85	-8,479.28	-1,963.69	1,237.52	1,089.21	148.31	8.344	
20,400.00	12,099.80	19,382.50	10,980.93	79.54	76.30	24.83	-8,573.46	-1,961.66	1,233.63	1,083.85	149.78	8.236	
20,500.00	12,099.80	19,460.00	10,983.17	80.17	76.97	24.89	-8,650.92	-1,962.10	1,231.18	1,079.91	151.28	8.139	
20,600.00	12,099.80	19,552.03	10,984.99	80.81	77.75	24.99	-8,742.92	-1,963.52	1,230.02	1,077.25	152.77	8.051	
20,700.00	12,099.80	19,648.00	10,986.51	81.44	78.57	25.07	-8,838.87	-1,964.79	1,229.14	1,074.88	154.27	7.968	
20,751.15	12,099.80	19,688.88	10,986.96	81.77	78.92	25.11	-8,879.75	-1,965.48	1,228.99	1,073.97	155.01	7.928	
20,800.00	12,099.80	19,730.55	10,987.27	82.08	79.27	25.16	-8,921.40	-1,966.42	1,229.13	1,073.40	155.73	7.893	
20,900.00	12,099.80	19,795.27	10,986.87	82.72	79.82	25.23	-8,986.09	-1,968.35	1,231.03	1,073.95	157.08	7.837	
21,000.00	12,099.80	19,874.02	10,983.97	83.36	80.48	25.30	-9,064.73	-1,971.30	1,235.83	1,077.40	158.44	7.800	
21,100.00	12,099.80	19,998.07	10,979.83	84.01	81.53	25.37	-9,188.65	-1,975.05	1,240.18	1,080.08	160.10	7.746	
21,200.00	12,099.80	20,132.95	10,978.23	84.65	82.68	25.44	-9,323.49	-1,977.55	1,242.07	1,080.32	161.75	7.679	
21,300.00	12,099.80	20,272.59	10,980.11	85.30	83.87	25.46	-9,463.11	-1,977.00	1,240.60	1,077.31	163.28	7.598	
21,400.00	12,099.80	20,413.19	10,985.15	85.95	85.08	25.42	-9,603.57	-1,973.59	1,236.39	1,071.71	164.67	7.508	
21,500.00	12,099.80	20,474.57	10,987.37	86.60	85.61	25.41	-9,664.89	-1,972.27	1,232.08	1,065.82	166.26	7.411	
21,600.00	12,099.80	20,571.84	10,989.45	87.25	86.45	25.41	-9,762.14	-1,971.35	1,229.73	1,061.98	167.76	7.330	
21,700.00	12,099.80	20,694.60	10,993.65	87.91	87.51	25.43	-9,884.82	-1,969.89	1,226.15	1,056.93	169.22	7.246	
21,800.00	12,099.80	20,830.08	11,001.27	88.57	88.68	25.45	-10,020.03	-1,966.54	1,219.98	1,049.41	170.57	7.153	
21,900.00	12,099.80	20,957.03	11,010.77	89.23	89.78	25.41	-10,146.52	-1,961.09	1,211.38	1,039.53	171.85	7.049	
22,000.00	12,099.80	21,069.00	11,020.82	89.89	90.75	25.34	-10,257.85	-1,954.76	1,200.82	1,027.61	173.21	6.933	
22,037.96	12,099.80	21,069.00	11,020.82	90.14	90.75	25.34	-10,257.85	-1,954.76	1,197.33	1,023.24	174.09	6.877 SF	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3659.80usft (TBD)
Reference Site:	Crunch Berry 6 Federal Com	MD Reference:	RKB @ 3659.80usft (TBD)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	601H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 04-30-21	Offset TVD Reference:	Reference Datum

Offset Design: Tenderloin Federal Com - 502H - OH / 67248 - Surveys (McVay 8)

Offset Site Error: 0.00 usft

Offset Well Error: 1.00 usft

Survey Program: Reference		100-, 10075-Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.00	0.00	0.00	42.30	1.00	1.00	-91.40	-72.66	-2,980.80	2,981.98				
100.00	100.00	44.85	87.15	1.04	1.00	-91.40	-72.68	-2,980.89	2,981.81	2,979.78	2.02	1,473.802	
200.00	200.00	131.99	174.29	1.36	1.01	-91.40	-72.89	-2,981.56	2,982.56	2,980.31	2.25	1,323.780	
300.00	300.00	234.24	276.53	1.75	1.03	-91.40	-73.14	-2,982.41	2,983.40	2,980.82	2.58	1,155.858	
400.00	400.00	333.00	375.29	2.12	1.06	-91.41	-73.26	-2,983.19	2,984.20	2,981.25	2.94	1,014.208	
500.00	500.00	436.80	479.09	2.49	1.11	-91.40	-72.73	-2,983.99	2,984.95	2,981.62	3.32	898.251	
600.00	600.00	534.13	576.39	2.86	1.14	-91.35	-70.47	-2,984.79	2,985.72	2,982.02	3.70	807.808	
700.00	700.00	631.29	673.51	3.23	1.19	-91.31	-68.06	-2,985.66	2,986.55	2,982.47	4.08	732.541	
800.00	800.00	726.08	768.27	3.59	1.25	-91.26	-65.79	-2,986.66	2,987.56	2,983.09	4.47	668.920	
900.00	900.00	828.64	870.80	3.96	1.32	-91.22	-63.55	-2,987.76	2,988.58	2,983.71	4.87	614.123	
1,000.00	1,000.00	961.14	1,003.27	4.32	1.42	-91.18	-61.62	-2,988.48	2,989.11	2,983.83	5.28	566.298	
1,100.00	1,100.00	1,067.46	1,109.60	4.68	1.48	-91.17	-61.02	-2,988.18	2,988.82	2,983.17	5.65	529.231	
1,200.00	1,200.00	1,165.79	1,207.93	5.04	1.54	-91.16	-60.53	-2,987.93	2,988.56	2,982.54	6.02	496.393	
1,300.00	1,300.00	1,263.87	1,306.01	5.41	1.58	-91.16	-60.30	-2,987.67	2,988.28	2,981.89	6.39	467.601	
1,400.00	1,400.00	1,364.57	1,406.71	5.77	1.63	-91.15	-60.17	-2,987.47	2,988.09	2,981.32	6.77	441.513	
1,500.00	1,500.00	1,465.54	1,507.68	6.13	1.69	-91.15	-60.04	-2,987.32	2,987.93	2,980.77	7.15	417.602	
1,600.00	1,600.00	1,569.14	1,611.28	6.49	1.76	-91.15	-59.78	-2,986.93	2,987.55	2,980.00	7.55	395.608	
1,700.00	1,700.00	1,664.45	1,706.58	6.85	1.82	-91.14	-59.64	-2,986.62	2,987.22	2,979.27	7.95	375.615	
1,800.00	1,800.00	1,765.53	1,807.66	7.21	1.91	-91.14	-59.34	-2,986.42	2,987.02	2,978.66	8.36	357.155	
1,900.00	1,900.00	1,868.80	1,930.93	7.57	2.02	-91.13	-58.81	-2,985.78	2,986.52	2,977.72	8.79	339.673	
2,000.00	2,000.00	2,011.35	2,053.47	7.93	2.11	-91.12	-58.37	-2,983.94	2,984.99	2,975.76	9.23	323.315	
2,100.00	2,099.99	2,113.92	2,156.01	8.24	2.19	3.01	-57.92	-2,981.96	2,982.18	2,972.55	9.63	309.539	
2,200.00	2,199.96	2,209.96	2,252.04	8.55	2.26	3.02	-57.63	-2,980.21	2,977.74	2,967.68	10.06	296.122	
2,300.00	2,299.86	2,313.36	2,355.42	8.85	2.35	3.03	-57.29	-2,978.39	2,971.62	2,961.13	10.49	283.301	
2,400.00	2,399.68	2,418.22	2,460.26	9.17	2.43	3.05	-57.27	-2,976.25	2,963.48	2,952.55	10.93	271.131	
2,500.00	2,499.37	2,517.82	2,559.84	9.48	2.51	3.06	-57.29	-2,974.27	2,953.67	2,942.30	11.37	259.755	
2,600.00	2,598.90	2,623.86	2,665.86	9.80	2.60	3.07	-57.52	-2,971.98	2,941.95	2,930.13	11.82	248.862	
2,700.00	2,698.26	2,713.87	2,755.84	10.12	2.67	3.08	-57.67	-2,969.94	2,928.42	2,916.16	12.26	238.846	
2,800.00	2,797.40	2,781.64	2,823.61	10.44	2.74	3.10	-57.54	-2,969.05	2,914.05	2,901.37	12.68	229.822	
2,900.00	2,896.30	2,882.00	2,923.96	10.77	2.85	3.14	-57.13	-2,968.20	2,898.44	2,885.31	13.13	220.761	
3,000.00	2,994.93	3,016.93	3,058.88	11.09	3.00	3.18	-56.73	-2,966.19	2,880.52	2,866.90	13.62	211.527	
3,100.00	3,093.41	3,117.50	3,159.42	11.42	3.10	3.20	-56.66	-2,963.78	2,860.82	2,846.75	14.08	203.236	
3,200.00	3,191.89	3,215.62	3,257.50	11.76	3.19	3.21	-57.07	-2,961.52	2,841.23	2,826.70	14.53	195.487	
3,300.00	3,290.37	3,300.00	3,341.86	12.09	3.26	3.21	-57.65	-2,959.62	2,821.71	2,806.73	14.98	188.356	
3,400.00	3,388.85	3,381.07	3,422.93	12.43	3.35	3.23	-57.69	-2,958.51	2,803.00	2,787.57	15.43	181.674	
3,500.00	3,487.33	3,475.00	3,516.85	12.77	3.45	3.25	-57.60	-2,957.41	2,784.51	2,768.62	15.89	175.215	
3,600.00	3,585.82	3,578.13	3,619.97	13.11	3.57	3.27	-57.51	-2,956.11	2,765.93	2,749.57	16.37	169.006	
3,700.00	3,684.30	3,675.00	3,716.83	13.45	3.67	3.29	-57.56	-2,954.85	2,747.31	2,730.47	16.84	163.180	
3,800.00	3,782.78	3,725.00	3,766.83	13.80	3.70	3.29	-57.91	-2,954.63	2,729.61	2,712.37	17.25	158.283	
3,900.00	3,881.26	3,803.75	3,845.56	14.16	3.68	3.29	-58.86	-2,955.54	2,713.39	2,695.78	17.61	154.051	
4,000.00	3,979.74	3,902.12	3,943.92	14.54	3.67	3.28	-60.43	-2,956.86	2,697.40	2,679.41	17.99	149.975	
4,100.00	4,078.22	4,000.00	4,041.77	14.91	3.66	3.26	-62.13	-2,958.12	2,681.36	2,663.00	18.36	146.012	
4,200.00	4,176.70	4,095.61	4,137.36	15.28	3.65	3.25	-63.88	-2,959.55	2,665.52	2,646.78	18.74	142.209	
4,300.00	4,275.18	4,190.44	4,232.17	15.66	3.65	3.23	-65.65	-2,960.87	2,649.60	2,630.47	19.13	138.516	
4,400.00	4,373.66	4,286.20	4,327.89	16.04	3.66	3.21	-67.51	-2,962.52	2,633.98	2,614.47	19.51	134.985	
4,500.00	4,472.14	4,368.26	4,409.91	16.41	3.66	3.19	-69.20	-2,964.17	2,618.66	2,598.76	19.90	131.593	
4,600.00	4,570.62	4,460.19	4,501.80	16.79	3.67	3.17	-70.92	-2,966.43	2,603.78	2,583.50	20.28	128.362	
4,700.00	4,669.10	4,550.00	4,591.56	17.17	3.68	3.16	-72.42	-2,968.97	2,589.26	2,568.59	20.67	125.262	
4,800.00	4,767.58	4,638.72	4,680.22	17.55	3.69	3.14	-74.04	-2,971.81	2,575.11	2,554.05	21.06	122.273	
4,900.00	4,866.07	4,725.00	4,766.43	17.92	3.71	3.12	-75.73	-2,974.93	2,561.38	2,539.93	21.45	119.395	
5,000.00	4,964.55	4,792.08	4,833.43	18.30	3.72	3.11	-76.88	-2,977.99	2,548.55	2,526.71	21.85	116.659	
5,100.00	5,063.03	4,875.00	4,916.21	18.68	3.74	3.11	-78.05	-2,982.58	2,536.71	2,514.47	22.24	114.051	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3659.80usft (TBD)
Reference Site:	Crunch Berry 6 Federal Com	MD Reference:	RKB @ 3659.80usft (TBD)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	601H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 04-30-21	Offset TVD Reference:	Reference Datum

Offset Design: Tenderloin Federal Com - 502H - OH / 67248 - Surveys (McVay 8)													Offset Site Error: 0.00 usft
Survey Program: 100-, 10075-Reference													Offset Well Error: 1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
5,200.00	5,161.51	4,988.14	5,029.17	19.06	3.78	3.12	-78.40	-2,989.00	2,525.01	2,502.37	22.64	111.506	
5,300.00	5,259.99	5,084.64	5,125.51	19.43	3.82	3.18	-76.87	-2,994.11	2,512.88	2,489.83	23.05	109.015	
5,400.00	5,358.47	5,225.00	5,265.60	19.81	3.90	3.36	-70.63	-3,000.15	2,499.61	2,476.14	23.48	106.479	
5,500.00	5,456.95	5,312.95	5,353.28	20.19	3.97	3.52	-64.78	-3,003.61	2,486.10	2,462.21	23.90	104.034	
5,600.00	5,555.43	5,393.24	5,433.22	20.57	4.02	3.69	-58.23	-3,007.30	2,473.26	2,448.94	24.32	101.699	
5,700.00	5,653.91	5,482.10	5,521.53	20.95	4.09	3.92	-49.54	-3,011.93	2,461.05	2,436.31	24.75	99.452	
5,800.00	5,752.39	5,575.00	5,613.74	21.32	4.17	4.19	-39.41	-3,017.03	2,449.18	2,424.01	25.18	97.282	
5,900.00	5,850.87	5,663.21	5,701.19	21.70	4.24	4.46	-29.04	-3,022.10	2,437.64	2,412.03	25.61	95.193	
6,000.00	5,949.35	5,759.50	5,796.55	22.08	4.32	4.77	-17.00	-3,027.89	2,426.44	2,400.39	26.04	93.169	
6,100.00	6,047.83	5,856.27	5,892.39	22.46	4.41	5.09	-5.14	-3,033.94	2,415.53	2,389.05	26.48	91.215	
6,200.00	6,146.32	6,019.95	6,055.00	22.84	4.56	5.56	12.11	-3,040.87	2,402.26	2,375.32	26.94	89.169	
6,300.00	6,244.80	6,075.00	6,109.74	23.22	4.61	5.71	17.63	-3,042.83	2,389.16	2,361.79	27.37	87.283	
6,400.00	6,343.28	6,100.00	6,134.58	23.59	4.63	5.78	20.11	-3,044.25	2,378.72	2,350.94	27.79	85.604	
6,500.00	6,441.76	6,140.87	6,175.09	23.97	4.66	5.88	23.62	-3,048.22	2,371.40	2,343.20	28.20	84.099	
6,600.00	6,540.24	6,223.37	6,256.82	24.35	4.73	6.06	29.83	-3,057.63	2,365.73	2,337.10	28.63	82.634	
6,700.00	6,638.72	6,309.67	6,342.28	24.73	4.80	6.24	36.00	-3,067.97	2,360.67	2,331.60	29.06	81.223	
6,800.00	6,737.20	6,375.00	6,406.95	25.11	4.86	6.36	39.92	-3,076.35	2,356.51	2,327.02	29.48	79.927	
6,900.00	6,835.68	6,410.92	6,440.97	25.49	5.05	6.69	50.00	-3,103.50	2,351.63	2,321.61	30.01	78.355	
7,000.00	6,934.16	6,724.79	6,754.39	25.87	5.15	6.86	54.88	-3,112.39	2,342.32	2,311.85	30.47	76.876	
7,100.00	7,032.64	6,833.94	6,863.17	26.24	5.24	7.00	58.90	-3,120.38	2,332.51	2,301.59	30.92	75.425	
7,200.00	7,131.12	6,938.88	6,967.79	26.62	5.33	7.14	62.45	-3,127.64	2,322.30	2,290.92	31.38	74.004	
7,300.00	7,229.60	7,034.08	7,062.71	27.00	5.41	7.26	65.70	-3,134.31	2,312.19	2,280.35	31.84	72.629	
7,400.00	7,328.09	7,158.49	7,186.77	27.38	5.53	7.42	69.71	-3,142.67	2,301.84	2,269.54	32.30	71.260	
7,500.00	7,426.57	7,271.42	7,299.42	27.76	5.63	7.59	74.30	-3,148.92	2,290.32	2,257.56	32.77	69.901	
7,600.00	7,525.05	7,385.31	7,413.02	28.14	5.75	7.80	80.36	-3,154.48	2,278.27	2,245.04	33.23	68.560	
7,700.00	7,623.53	7,490.70	7,518.18	28.52	5.85	7.98	85.39	-3,159.10	2,265.69	2,232.00	33.69	67.245	
7,800.00	7,722.01	7,598.95	7,626.25	28.90	5.96	8.15	89.63	-3,163.68	2,252.93	2,218.78	34.16	65.958	
7,900.00	7,820.49	7,675.00	7,702.20	29.28	6.04	8.26	92.20	-3,166.84	2,240.17	2,205.55	34.62	64.715	
8,000.00	7,918.97	7,731.33	7,758.35	29.66	6.09	8.37	95.11	-3,170.12	2,229.14	2,194.07	35.07	63.562	
8,100.00	8,017.45	7,841.88	7,868.47	30.03	6.21	8.60	101.71	-3,177.34	2,218.87	2,183.33	35.54	62.432	
8,200.00	8,115.93	7,970.79	7,996.99	30.41	6.34	8.84	108.37	-3,184.69	2,207.77	2,171.75	36.01	61.303	
8,300.00	8,214.41	8,087.91	8,113.88	30.79	6.46	9.05	113.45	-3,190.05	2,195.47	2,158.99	36.48	60.176	
8,400.00	8,312.89	8,200.00	8,225.80	31.17	6.58	9.23	117.79	-3,194.36	2,182.42	2,145.47	36.95	59.061	
8,500.00	8,411.37	8,309.27	8,334.94	31.55	6.70	9.41	121.70	-3,198.15	2,169.01	2,131.59	37.42	57.966	
8,600.00	8,509.85	8,420.43	8,445.99	31.93	6.82	9.57	125.01	-3,201.58	2,155.20	2,117.32	37.89	56.887	
8,700.00	8,608.34	8,528.60	8,554.11	32.31	6.94	9.72	127.44	-3,204.20	2,140.65	2,102.30	38.35	55.814	
8,800.00	8,706.82	8,615.20	8,640.66	32.69	7.03	9.83	129.31	-3,206.34	2,126.19	2,087.37	38.82	54.764	
8,900.00	8,805.30	8,687.85	8,713.21	33.07	7.11	9.95	131.80	-3,208.97	2,112.92	2,073.62	39.30	53.767	
9,000.00	8,903.78	8,799.60	8,824.82	33.45	7.23	10.14	135.78	-3,213.13	2,099.85	2,060.08	39.77	52.800	
9,100.00	9,002.26	8,900.00	8,925.11	33.83	7.35	10.30	138.91	-3,216.47	2,086.34	2,046.10	40.24	51.843	
9,200.00	9,100.74	9,001.88	9,026.82	34.21	7.46	10.52	144.02	-3,219.64	2,072.86	2,032.14	40.71	50.913	
9,300.00	9,199.22	9,091.79	9,116.56	34.59	7.57	10.72	148.70	-3,222.50	2,059.48	2,018.30	41.19	50.004	
9,400.00	9,297.70	9,194.10	9,218.70	34.97	7.68	10.93	153.12	-3,226.19	2,046.47	2,004.81	41.66	49.121	
9,500.00	9,396.18	9,306.01	9,330.52	35.35	7.81	11.11	156.15	-3,229.64	2,032.73	1,990.60	42.14	48.241	
9,600.00	9,494.66	9,432.37	9,456.62	35.73	7.96	11.43	163.61	-3,232.37	2,018.61	1,976.02	42.60	47.389	
9,700.00	9,593.14	9,551.76	9,575.83	36.11	8.09	11.74	170.20	-3,232.89	2,002.67	1,959.63	43.04	46.526	
9,800.00	9,691.62	9,647.82	9,671.82	36.49	8.20	11.94	173.79	-3,233.27	1,986.54	1,943.04	43.50	45.666	
9,900.00	9,790.10	9,731.80	9,755.76	36.86	8.30	12.10	176.39	-3,234.15	1,970.97	1,927.00	43.97	44.823	
10,000.00	9,888.59	9,820.35	9,844.27	37.24	8.40	12.24	178.12	-3,235.74	1,956.00	1,911.55	44.45	44.001	
10,100.00	9,987.07	9,908.61	9,932.50	37.62	8.49	12.36	179.22	-3,237.87	1,941.56	1,896.62	44.94	43.203	
10,200.00	10,085.55	10,026.79	10,050.64	38.00	8.54	12.48	179.21	-3,240.87	1,927.10	1,881.75	45.35	42.493	
10,300.00	10,184.03	10,140.67	10,164.33	38.38	8.56	12.47	174.73	-3,242.55	1,910.95	1,865.22	45.73	41.792	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3659.80usft (TBD)
Reference Site:	Crunch Berry 6 Federal Com	MD Reference:	RKB @ 3659.80usft (TBD)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	601H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 04-30-21	Offset TVD Reference:	Reference Datum

Offset Design: Tenderloin Federal Com - 502H - OH / 67248 - Surveys (McVay 8)													Offset Site Error: 0.00 usft
Survey Program: 100-, 10075-Offset													Offset Well Error: 1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
10,400.00	10,282.56	10,209.73	10,231.98	38.76	8.58	12.11	161.53	-3,246.12	1,896.55	1,850.39	46.16	41.090	
10,500.00	10,381.36	10,333.95	10,349.82	39.13	8.66	11.02	123.47	-3,253.32	1,883.25	1,836.73	46.52	40.483	
10,600.00	10,480.41	10,391.57	10,400.01	39.50	8.72	10.17	95.65	-3,257.86	1,872.62	1,825.62	47.00	39.845	
10,700.00	10,579.69	10,611.95	10,552.25	39.87	9.05	5.39	-61.19	-3,271.14	1,862.51	1,815.05	47.46	39.242	
10,800.00	10,679.16	10,646.00	10,570.23	40.24	9.11	4.49	-90.07	-3,272.35	1,856.07	1,808.04	48.03	38.643	
10,863.09	10,742.00	10,682.90	10,588.15	40.47	9.17	3.50	-122.29	-3,273.71	1,855.12	1,806.70	48.42	38.311	CC, ES
10,900.00	10,778.79	10,693.00	10,592.80	40.60	9.19	3.23	-131.25	-3,273.99	1,855.52	1,806.88	48.65	38.143	
11,000.00	10,878.56	10,714.69	10,602.21	40.96	9.23	2.63	-150.78	-3,274.68	1,861.12	1,811.85	49.27	37.776	
11,100.00	10,978.43	10,740.00	10,612.00	41.32	9.28	1.91	-174.09	-3,275.85	1,873.54	1,823.64	49.90	37.546	
11,200.00	11,078.37	10,740.00	10,612.00	41.67	9.28	1.92	-174.09	-3,275.85	1,892.42	1,841.91	50.50	37.470	
11,300.00	11,178.36	10,740.00	10,612.00	42.02	9.28	1.93	-174.09	-3,275.85	1,918.02	1,866.92	51.09	37.541	
11,400.00	11,278.36	10,763.02	10,619.63	42.35	9.32	-92.86	-195.77	-3,277.17	1,949.30	1,897.65	51.66	37.735	
11,500.00	11,378.36	10,787.00	10,626.13	42.68	9.37	-93.58	-218.79	-3,278.72	1,985.49	1,933.29	52.19	38.042	
11,600.00	11,478.36	10,787.00	10,626.13	43.00	9.37	-93.58	-218.79	-3,278.72	2,025.49	1,972.82	52.66	38.460	
11,700.00	11,578.29	10,787.00	10,626.13	43.34	9.37	83.86	-218.79	-3,278.72	2,069.39	2,016.30	53.10	38.974	
11,800.00	11,676.60	10,787.00	10,626.13	43.77	9.37	78.72	-218.79	-3,278.72	2,115.57	2,062.06	53.51	39.537	
11,900.00	11,770.36	10,809.40	10,630.72	44.17	9.41	73.07	-240.66	-3,280.17	2,161.95	2,108.02	53.94	40.084	
12,000.00	11,856.72	10,835.00	10,634.04	44.53	9.47	67.77	-266.00	-3,281.64	2,207.30	2,152.94	54.36	40.609	
12,100.00	11,933.05	10,851.70	10,635.34	44.84	9.51	63.24	-282.63	-3,282.44	2,249.67	2,194.91	54.76	41.085	
12,200.00	11,997.05	11,082.24	10,645.33	45.08	10.26	56.75	-512.84	-3,279.07	2,284.36	2,228.74	55.61	41.075	
12,300.00	12,046.76	11,161.00	10,648.59	45.26	10.64	53.91	-591.39	-3,274.49	2,307.97	2,251.76	56.21	41.058	
12,400.00	12,080.67	11,252.00	10,650.62	45.39	11.12	52.07	-682.17	-3,268.47	2,322.48	2,265.62	56.86	40.844	
12,500.00	12,097.75	11,302.26	10,651.25	45.49	11.42	51.47	-732.35	-3,265.65	2,327.81	2,270.41	57.40	40.557	
12,600.00	12,099.80	11,366.86	10,651.83	45.59	11.81	51.47	-796.89	-3,263.15	2,325.46	2,267.52	57.94	40.136	
12,700.00	12,099.80	11,452.04	10,652.76	45.70	12.35	51.46	-882.05	-3,261.31	2,323.06	2,264.53	58.53	39.688	
12,800.00	12,099.80	11,621.42	10,655.88	45.82	13.49	51.42	-1,051.27	-3,254.96	2,318.79	2,259.30	59.49	38.979	
12,900.00	12,099.80	11,658.66	10,656.74	45.96	13.75	51.42	-1,088.48	-3,253.79	2,314.88	2,254.90	59.98	38.591	
13,000.00	12,099.80	11,712.00	10,656.52	46.10	14.13	51.41	-1,141.81	-3,253.12	2,313.76	2,253.20	60.56	38.204	
13,013.04	12,099.80	11,712.00	10,656.52	46.12	14.13	51.41	-1,141.81	-3,253.12	2,313.73	2,253.11	60.61	38.172	
13,100.00	12,099.80	11,760.22	10,655.30	46.26	14.48	51.38	-1,190.01	-3,253.00	2,314.73	2,253.58	61.14	37.858	
13,200.00	12,099.80	11,854.65	10,651.71	46.43	15.16	51.30	-1,284.38	-3,252.52	2,316.70	2,254.77	61.93	37.407	
13,300.00	12,099.80	12,032.73	10,653.21	46.60	16.50	51.36	-1,462.29	-3,253.89	2,316.67	2,253.53	63.13	36.696	
13,400.00	12,099.80	12,106.03	10,657.54	46.79	17.06	51.47	-1,535.43	-3,256.22	2,315.56	2,251.64	63.92	36.227	
13,413.32	12,099.80	12,113.01	10,657.85	46.82	17.11	51.48	-1,542.40	-3,256.45	2,315.54	2,251.52	64.01	36.174	
13,500.00	12,099.80	12,169.00	10,659.29	47.00	17.54	51.54	-1,598.33	-3,258.37	2,316.34	2,251.67	64.67	35.817	
13,600.00	12,099.80	12,218.97	10,659.39	47.21	17.93	51.57	-1,648.26	-3,260.24	2,318.95	2,253.57	65.38	35.470	
13,700.00	12,099.80	12,293.58	10,658.42	47.43	18.51	51.60	-1,722.80	-3,263.53	2,323.16	2,256.94	66.22	35.084	
13,800.00	12,099.80	12,510.33	10,657.22	47.67	20.21	51.67	-1,939.42	-3,269.43	2,326.15	2,258.38	67.77	34.323	
13,900.00	12,099.80	12,686.99	10,660.02	47.91	21.63	51.68	-2,116.03	-3,266.49	2,323.73	2,254.57	69.16	33.599	
14,000.00	12,099.80	12,765.66	10,662.48	48.17	22.27	51.70	-2,194.64	-3,264.56	2,320.00	2,249.89	70.11	33.091	
14,100.00	12,099.80	12,832.00	10,662.36	48.44	22.81	51.68	-2,260.96	-3,263.51	2,318.54	2,247.53	71.01	32.651	
14,200.00	12,099.80	12,919.02	10,660.51	48.71	23.51	51.62	-2,347.95	-3,261.91	2,318.30	2,246.28	72.02	32.190	
14,300.00	12,099.80	13,017.46	10,658.26	49.00	24.32	51.53	-2,446.31	-3,259.04	2,317.45	2,244.35	73.10	31.703	
14,400.00	12,099.80	13,112.86	10,655.24	49.30	25.10	51.43	-2,541.61	-3,255.83	2,316.79	2,242.61	74.18	31.233	
14,500.00	12,099.80	13,308.54	10,659.55	49.61	26.71	51.43	-2,737.10	-3,250.44	2,312.41	2,236.64	75.77	30.518	
14,600.00	12,099.80	13,345.71	10,660.77	49.92	27.02	51.44	-2,774.24	-3,249.86	2,309.11	2,232.48	76.63	30.135	
14,670.45	12,099.80	13,372.61	10,661.05	50.15	27.25	51.44	-2,801.14	-3,249.72	2,308.38	2,231.16	77.23	29.891	
14,700.00	12,099.80	13,402.00	10,660.76	50.25	27.49	51.44	-2,830.53	-3,249.85	2,308.66	2,231.09	77.57	29.762	
14,701.76	12,099.80	13,402.00	10,660.76	50.26	27.49	51.44	-2,830.53	-3,249.85	2,308.66	2,231.08	77.58	29.758	
14,800.00	12,099.80	13,458.28	10,659.51	50.59	27.95	51.42	-2,886.79	-3,250.21	2,310.11	2,231.60	78.51	29.423	
14,900.00	12,099.80	13,553.67	10,656.72	50.93	28.74	51.37	-2,982.14	-3,250.20	2,311.93	2,232.27	79.66	29.021	
15,000.00	12,099.80	13,628.97	10,653.85	51.29	29.37	51.31	-3,057.38	-3,250.20	2,314.36	2,233.64	80.72	28.672	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3659.80usft (TBD)
Reference Site:	Crunch Berry 6 Federal Com	MD Reference:	RKB @ 3659.80usft (TBD)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	601H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 04-30-21	Offset TVD Reference:	Reference Datum

Offset Design: Tenderloin Federal Com - 502H - OH / 67248 - Surveys (McVay 8)													Offset Site Error: 0.00 usft
Survey Program: 100-, 10075-Reference													Offset Well Error: 1.00 usft
Measured Depth (usft)	Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N-S (usft)	+E-W (usft)					
15,100.00	12,099.80	13,696.78	10,651.62	51.65	29.93	51.29	-3,125.14	-3,251.74	2,318.18	2,236.44	81.74	28.359	
15,200.00	12,099.80	13,780.19	10,648.74	52.02	30.62	51.28	-3,208.45	-3,254.58	2,323.01	2,240.15	82.86	28.035	
15,300.00	12,099.80	13,956.49	10,646.78	52.40	32.09	51.31	-3,384.67	-3,259.08	2,325.06	2,240.54	84.52	27.509	
15,400.00	12,099.80	14,030.68	10,645.80	52.79	32.70	51.32	-3,458.83	-3,260.55	2,327.45	2,241.83	85.62	27.183	
15,500.00	12,099.80	14,247.09	10,647.96	53.19	34.52	51.40	-3,675.15	-3,262.93	2,327.40	2,239.91	87.48	26.604	
15,600.00	12,099.80	14,362.20	10,652.35	53.59	35.50	51.48	-3,790.17	-3,262.98	2,325.06	2,236.22	88.83	26.173	
15,700.00	12,099.80	14,467.00	10,656.46	54.01	36.39	51.55	-3,894.89	-3,262.51	2,322.27	2,232.13	90.14	25.762	
15,800.00	12,099.80	14,566.22	10,660.47	54.43	37.23	51.63	-3,994.03	-3,262.14	2,319.47	2,228.03	91.44	25.366	
15,900.00	12,099.80	14,681.01	10,666.08	54.85	38.21	51.74	-4,108.69	-3,262.17	2,316.48	2,223.67	92.82	24.958	
16,000.00	12,099.80	14,796.37	10,672.59	55.29	39.19	51.85	-4,223.86	-3,261.58	2,312.59	2,218.38	94.20	24.549	
16,100.00	12,099.80	14,869.18	10,675.97	55.73	39.81	51.91	-4,296.58	-3,260.78	2,308.91	2,213.50	95.41	24.201	
16,200.00	12,099.80	14,945.34	10,677.37	56.18	40.46	51.92	-4,372.72	-3,259.74	2,306.66	2,210.04	96.62	23.873	
16,300.00	12,099.80	15,040.70	10,678.44	56.64	41.27	51.92	-4,468.06	-3,258.31	2,304.79	2,206.87	97.93	23.536	
16,400.00	12,099.80	15,125.21	10,678.44	57.10	41.99	51.89	-4,552.56	-3,256.77	2,303.38	2,204.19	99.19	23.223	
16,500.00	12,099.80	15,195.00	10,677.41	57.57	42.58	51.85	-4,622.33	-3,255.42	2,302.85	2,202.47	100.37	22.943	
16,510.75	12,099.80	15,212.20	10,677.00	57.62	42.73	51.84	-4,639.52	-3,255.08	2,302.82	2,202.28	100.55	22.903	
16,600.00	12,099.80	15,290.00	10,674.41	58.04	43.39	51.76	-4,717.26	-3,253.40	2,303.14	2,201.46	101.68	22.651	
16,700.00	12,099.80	15,377.24	10,671.20	58.53	44.13	51.68	-4,804.42	-3,251.86	2,304.03	2,201.07	102.95	22.379	
16,800.00	12,099.80	15,508.67	10,669.68	59.01	45.24	51.63	-4,935.83	-3,250.92	2,304.12	2,199.66	104.47	22.056	
16,841.02	12,099.80	15,542.62	10,669.61	59.22	45.53	51.63	-4,969.79	-3,250.79	2,304.06	2,199.07	104.99	21.946	
16,900.00	12,099.80	15,591.63	10,669.22	59.51	45.95	51.62	-5,018.79	-3,250.61	2,304.19	2,198.45	105.74	21.790	
17,000.00	12,099.80	15,669.00	10,667.81	60.01	46.61	51.59	-5,096.15	-3,250.24	2,304.99	2,197.99	106.99	21.543	
17,100.00	12,099.80	15,749.59	10,666.60	60.51	47.29	51.58	-5,176.72	-3,251.00	2,306.69	2,198.43	108.26	21.307	
17,200.00	12,099.80	15,822.22	10,666.18	61.02	47.91	51.60	-5,249.31	-3,253.28	2,309.53	2,200.04	109.49	21.094	
17,300.00	12,099.80	15,912.50	10,664.67	61.54	48.67	51.62	-5,339.53	-3,256.53	2,313.38	2,202.56	110.82	20.876	
17,400.00	12,099.80	16,004.51	10,662.62	62.06	49.45	51.63	-5,431.46	-3,259.47	2,317.28	2,205.12	112.16	20.661	
17,500.00	12,099.80	16,123.70	10,659.60	62.58	50.46	51.63	-5,550.54	-3,263.33	2,321.47	2,207.80	113.66	20.424	
17,600.00	12,099.80	16,231.30	10,659.47	63.11	51.37	51.69	-5,658.06	-3,267.44	2,324.54	2,209.43	115.11	20.193	
17,700.00	12,099.80	16,332.00	10,659.21	63.65	52.23	51.74	-5,758.70	-3,270.99	2,327.48	2,210.95	116.53	19.973	
17,800.00	12,099.80	16,417.75	10,658.45	64.19	52.96	51.77	-5,844.40	-3,273.91	2,330.71	2,212.85	117.86	19.776	
17,900.00	12,099.80	16,502.70	10,656.64	64.73	53.68	51.78	-5,929.28	-3,276.74	2,334.66	2,215.48	119.18	19.590	
18,000.00	12,099.80	16,600.37	10,653.68	65.28	54.51	51.77	-6,026.86	-3,279.83	2,339.03	2,218.45	120.58	19.399	
18,100.00	12,099.80	16,697.18	10,650.20	65.84	55.33	51.74	-6,123.56	-3,282.51	2,343.44	2,221.46	121.97	19.213	
18,200.00	12,099.80	16,789.93	10,645.35	66.39	56.12	51.67	-6,216.17	-3,284.14	2,348.07	2,224.73	123.34	19.038	
18,300.00	12,099.80	16,964.90	10,639.57	66.96	57.60	51.59	-6,391.02	-3,286.00	2,350.72	2,225.53	125.19	18.777	
18,400.00	12,099.80	17,059.00	10,638.16	67.52	58.41	51.58	-6,485.10	-3,286.81	2,352.35	2,225.76	126.59	18.582	
18,500.00	12,099.80	17,152.75	10,635.98	68.09	59.21	51.55	-6,578.82	-3,287.51	2,354.38	2,226.39	127.99	18.395	
18,600.00	12,099.80	17,260.56	10,633.06	68.66	60.12	51.50	-6,686.58	-3,287.96	2,356.41	2,226.95	129.47	18.201	
18,700.00	12,099.80	17,358.14	10,630.20	69.24	60.96	51.44	-6,784.13	-3,287.92	2,358.21	2,227.32	130.89	18.017	
18,800.00	12,099.80	17,499.09	10,627.48	69.82	62.16	51.39	-6,925.05	-3,287.64	2,359.28	2,226.75	132.53	17.801	
18,900.00	12,099.80	17,617.91	10,627.27	70.41	63.18	51.37	-7,043.87	-3,286.97	2,358.94	2,224.87	134.07	17.595	
18,982.44	12,099.80	17,685.27	10,627.09	70.89	63.76	51.36	-7,111.21	-3,286.33	2,358.51	2,223.31	135.20	17.444	
19,000.00	12,099.80	17,696.04	10,627.05	70.99	63.85	51.36	-7,121.99	-3,286.32	2,358.53	2,223.11	135.42	17.416	
19,100.00	12,099.80	17,760.86	10,626.77	71.59	64.41	51.36	-7,186.81	-3,287.03	2,359.63	2,222.93	136.71	17.260	
19,200.00	12,099.80	17,855.22	10,626.04	72.18	65.21	51.38	-7,281.15	-3,288.72	2,361.53	2,223.39	138.14	17.095	
19,300.00	12,099.80	17,976.07	10,624.50	72.78	66.25	51.38	-7,401.97	-3,290.64	2,363.66	2,223.95	139.71	16.918	
19,400.00	12,099.80	18,135.01	10,625.26	73.38	67.61	51.38	-7,560.90	-3,289.83	2,362.64	2,221.19	141.44	16.704	
19,500.00	12,099.80	18,227.00	10,625.57	73.98	68.40	51.37	-7,652.88	-3,288.54	2,361.35	2,218.47	142.88	16.527	
19,600.00	12,099.80	18,321.00	10,625.09	74.59	69.21	51.34	-7,746.87	-3,287.21	2,360.56	2,216.24	144.33	16.356	
19,663.31	12,099.80	18,366.22	10,624.51	74.98	69.60	51.32	-7,792.08	-3,286.65	2,360.42	2,215.25	145.18	16.259	
19,700.00	12,099.80	18,397.70	10,624.03	75.20	69.87	51.30	-7,823.56	-3,286.30	2,360.46	2,214.77	145.69	16.202	
19,800.00	12,099.80	18,492.61	10,622.25	75.81	70.68	51.25	-7,918.45	-3,285.32	2,360.83	2,213.69	147.14	16.045	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3659.80usft (TBD)
Reference Site:	Crunch Berry 6 Federal Com	MD Reference:	RKB @ 3659.80usft (TBD)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	601H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 04-30-21	Offset TVD Reference:	Reference Datum

Offset Design: Tenderloin Federal Com - 502H - OH / 67248 - Surveys (McVay 8)

Survey Program: 100-, 10075-Reference										Rule Assigned:		Offset Site Error:
Measured Vertical Measured Vertical										Distance		Offset Well Error:
Depth	Depth	Depth	Depth	Semi Major Axis		Highside	Offset Wellbore Centre		Between	Between	Minimum	Warning
(usft)	(usft)	(usft)	(usft)	Reference	Offset	Toolface	+N/-S	+E/-W	Centres	Ellipses	Separation	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	
19,900.00	12,099.80	18,617.27	10,620.72	76.43	71.75	51.21	-8,043.09	-3,284.08	2,360.86	2,212.14	148.72	
20,000.00	12,099.80	18,704.74	10,620.26	77.05	72.50	51.19	-8,130.55	-3,283.43	2,360.60	2,210.45	150.15	15.722
20,100.00	12,099.80	18,803.93	10,620.38	77.67	73.35	51.19	-8,229.74	-3,283.47	2,360.56	2,208.93	151.63	15.568
20,200.00	12,099.80	18,914.96	10,621.77	78.29	74.31	51.23	-8,340.76	-3,284.16	2,360.27	2,207.09	153.17	15.409
20,300.00	12,099.80	19,016.37	10,623.10	78.92	75.18	51.26	-8,442.16	-3,284.43	2,359.66	2,204.99	154.67	15.256
20,400.00	12,099.80	19,130.82	10,624.19	79.54	76.17	51.28	-8,556.60	-3,284.45	2,359.13	2,202.91	156.23	15.101
20,500.00	12,099.80	19,226.41	10,626.43	80.17	76.99	51.32	-8,652.16	-3,284.37	2,357.63	2,199.92	157.71	14.949
20,600.00	12,099.80	19,369.26	10,629.85	80.81	78.22	51.39	-8,794.97	-3,284.89	2,356.73	2,197.36	159.37	14.788
20,700.00	12,099.80	19,470.43	10,633.84	81.44	79.10	51.46	-8,896.06	-3,284.49	2,353.96	2,193.08	160.88	14.632
20,800.00	12,099.80	19,580.17	10,637.88	82.08	80.05	51.52	-9,005.72	-3,283.41	2,350.91	2,188.49	162.42	14.474
20,900.00	12,099.80	19,690.21	10,641.34	82.72	81.00	51.56	-9,115.68	-3,281.20	2,347.38	2,183.43	163.96	14.317
21,000.00	12,099.80	19,771.29	10,642.81	83.36	81.70	51.55	-9,196.70	-3,278.62	2,343.83	2,178.42	165.41	14.170
21,100.00	12,099.80	19,837.00	10,643.89	84.01	82.27	51.56	-9,262.40	-3,277.90	2,341.86	2,175.05	166.81	14.039
21,175.74	12,099.80	19,879.12	10,644.46	84.49	82.63	51.57	-9,304.51	-3,278.12	2,341.44	2,173.62	167.82	13.952
21,200.00	12,099.80	19,895.62	10,644.60	84.65	82.77	51.57	-9,321.01	-3,278.26	2,341.48	2,173.33	168.15	13.925
21,300.00	12,099.80	19,972.25	10,644.69	85.30	83.43	51.59	-9,397.64	-3,279.27	2,342.40	2,172.86	169.54	13.816
21,400.00	12,099.80	20,078.89	10,643.45	85.95	84.35	51.58	-9,504.26	-3,280.24	2,343.87	2,172.78	171.08	13.700
21,500.00	12,099.80	20,174.11	10,641.87	86.60	85.16	51.55	-9,599.47	-3,279.99	2,344.72	2,172.16	172.56	13.587
21,600.00	12,099.80	20,294.49	10,639.11	87.25	86.20	51.49	-9,719.81	-3,279.72	2,346.07	2,171.90	174.17	13.470
21,700.00	12,099.80	20,427.34	10,639.45	87.91	87.34	51.49	-9,852.66	-3,279.37	2,345.70	2,169.88	175.82	13.341
21,800.00	12,099.80	20,591.61	10,640.75	88.57	88.76	51.46	-10,016.88	-3,275.72	2,343.58	2,166.06	177.52	13.202
21,900.00	12,099.80	20,665.73	10,641.42	89.23	89.40	51.44	-10,090.95	-3,273.15	2,340.33	2,161.35	178.98	13.076
22,000.00	12,099.80	20,756.27	10,640.62	89.89	90.18	51.37	-10,181.42	-3,269.83	2,338.00	2,157.54	180.46	12.956
22,037.96	12,099.80	20,794.20	10,640.22	90.14	90.50	51.34	-10,219.32	-3,268.41	2,337.15	2,156.12	181.03	12.910 SF

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Anticollision Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3659.80usft (TBD)
Reference Site:	Crunch Berry 6 Federal Com	MD Reference:	RKB @ 3659.80usft (TBD)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	601H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 04-30-21	Offset TVD Reference:	Reference Datum

Reference Depths are relative to RKB @ 3659.80usft (TBD)

Offset Depths are relative to Offset Datum

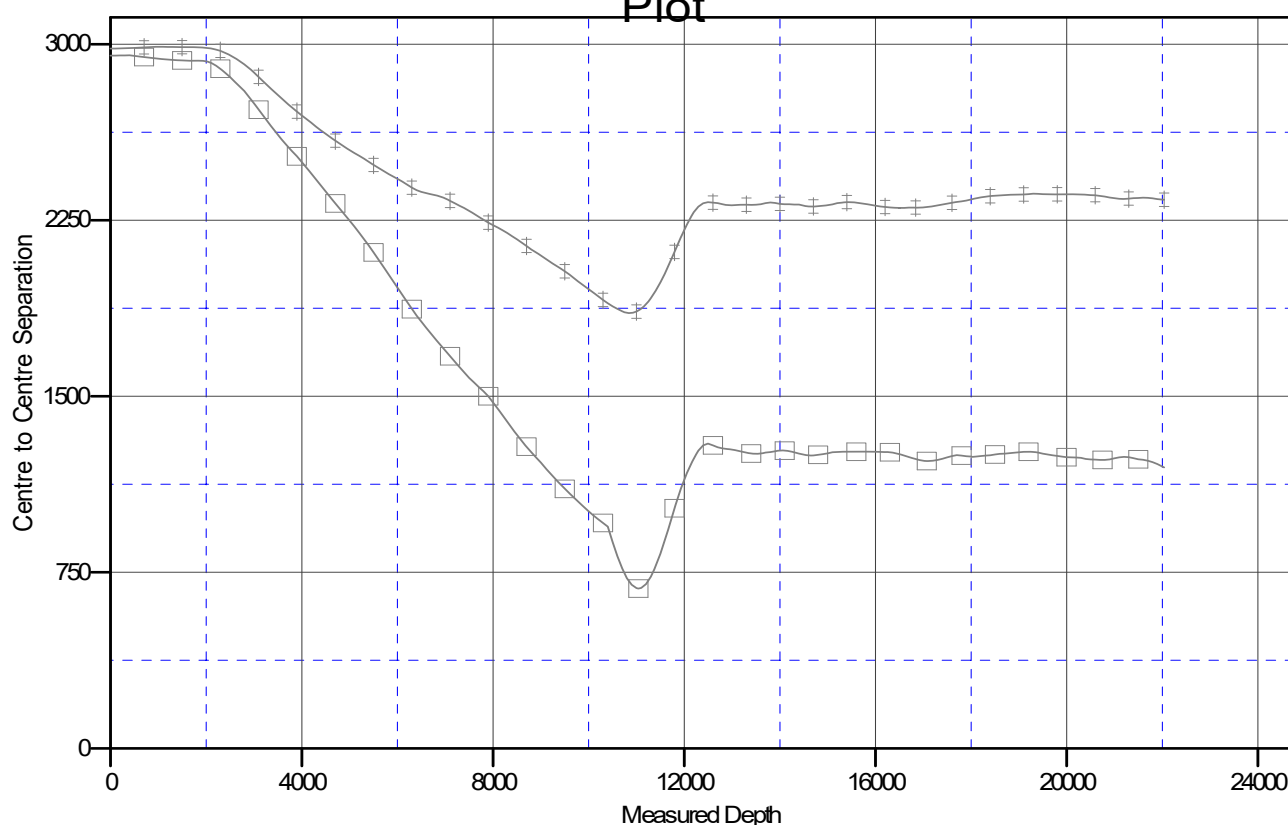
Central Meridian is 105° 0' 0.000000 W

Coordinates are relative to: 601H

Coordinate System is Universal Transverse Mercator (US Survey Feet), Zone 13N

Grid Convergence at Surface is: 0.80°

Ladder Plot



LEGEND

501H, OH / 6Z47, Surveys (McVay 8) V0
 502H, OH / 6Z48, Surveys (McVay 8) V0



Anticollision Report



Company:	Centennial Resources Development, Inc.	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM (NAD83 - UTM Zone 13)	TVD Reference:	RKB @ 3659.80usft (TBD)
Reference Site:	Crunch Berry 6 Federal Com	MD Reference:	RKB @ 3659.80usft (TBD)
Site Error:	0.00 usft	North Reference:	True
Reference Well:	601H	Survey Calculation Method:	Minimum Curvature
Well Error:	1.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA Compass
Reference Design:	Plan 1 04-30-21	Offset TVD Reference:	Reference Datum

Reference Depths are relative to RKB @ 3659.80usft (TBD)

Offset Depths are relative to Offset Datum

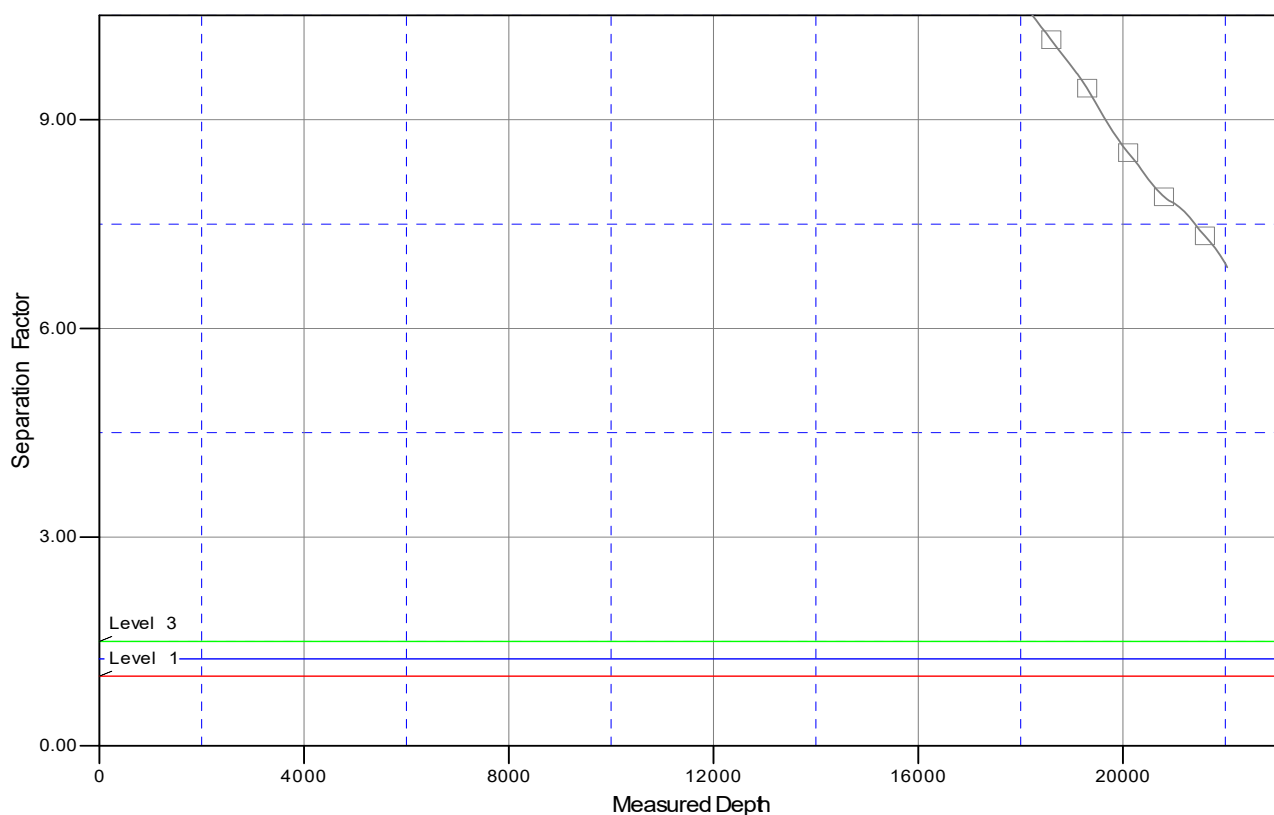
Central Meridian is 105° 0' 0.000000 W

Coordinates are relative to: 601H

Coordinate System is Universal Transverse Mercator (US Survey Feet), Zone 13N

Grid Convergence at Surface is: 0.80°

Separation Factor Plot



LEGEND

—■— 501H, OH / 6Z47, Surveys (McVay 8) V0 —●— 502H, OH / 6Z48, Surveys (McVay 8) V0

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

COMMENTS

Action 29250

COMMENTS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 29250
	Action Type: [C-103] NOI General Sundry (C-103X)

COMMENTS

Created By	Comment	Comment Date
jagarcia	Accepted for record	8/3/2021

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 29250

CONDITIONS

Operator: CENTENNIAL RESOURCE PRODUCTION, LLC 1001 17th Street, Suite 1800 Denver, CO 80202	OGRID: 372165
	Action Number: 29250
	Action Type: [C-103] NOI General Sundry (C-103X)

CONDITIONS

Created By	Condition	Condition Date
jagarcia	None	8/3/2021