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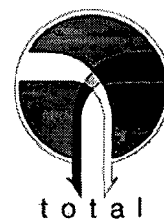
**CENTENNIAL RESOURCE
DEVELOPMENT, LLC**

LEA COUNTY, NM (NAD 83 - UTM ZONE 13 - TRUE)

SW SW SEC. 13 T22S T34E

AIRSTREAM 24 STATE COM #502H
13 December, 2018

Survey: FINAL SURVEYS



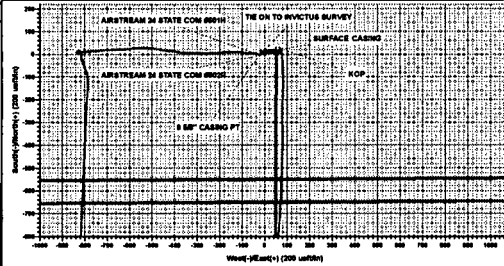


Project: LEA COUNTY, NM (NAD 83 - UTM ZONE 13 - TRUE)
Site: SW SW SEC. 13 T22S T34E
Well: AIRSTREAM 24 STATE COM #502H
Wellbore: ORIGINAL WELLBORE - JOB #2018-627-650
Design: FINAL SURVEYS

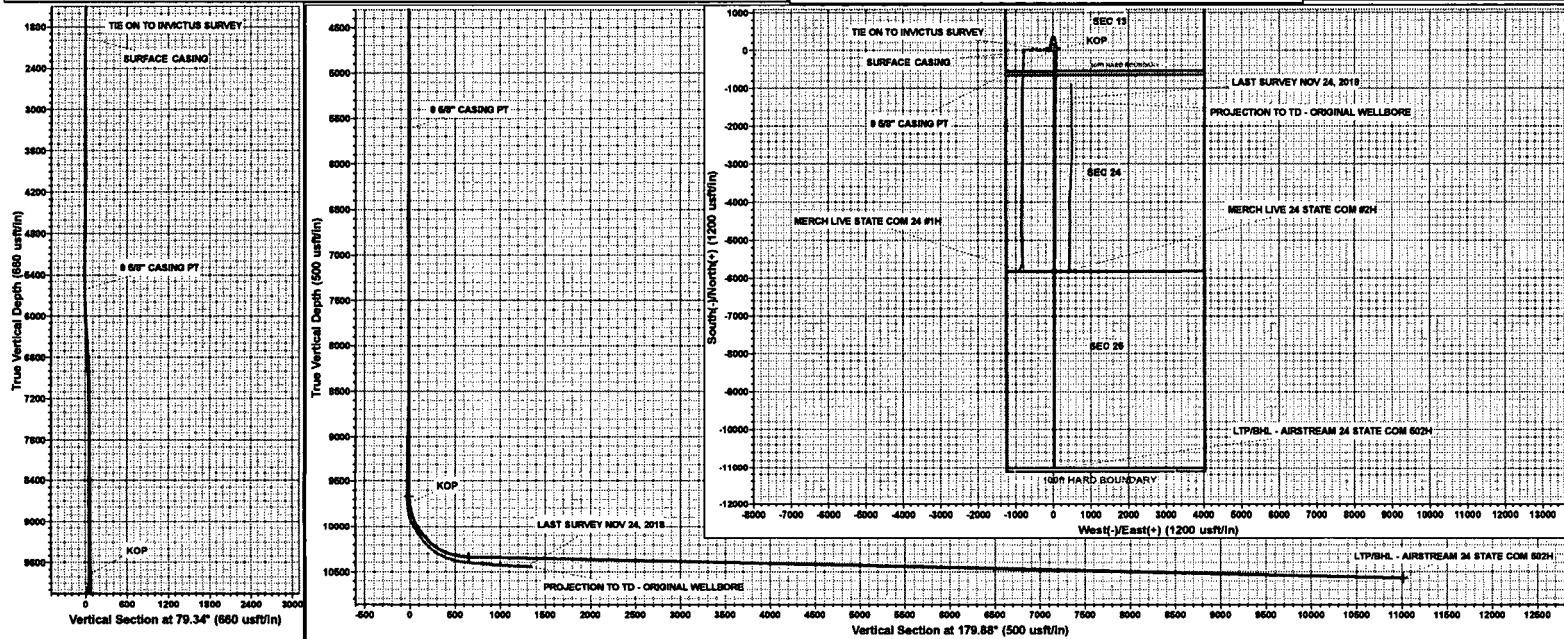


SECTION DETAILS										
Sec	MD	Inc	Adj	TVD	+N/-S	+E/-W	Diag	TFace	Vsect	Target
1	1912.00	1.10	283.78	1911.80	8.03	-8.24	0.00	0.00	-8.08	
2	2012.00	1.10	283.78	2011.78	7.49	-11.08	0.00	0.00	-7.52	
3	2122.00	0.00	0.00	2121.77	7.30	-12.08	1.00	180.00	-7.33	
4	2727.83	0.00	0.00	2727.40	7.20	-12.08	0.00	0.00	-7.23	
5	2827.83	0.00	87.96	2827.38	7.48	-4.35	1.00	87.96	-7.48	
6	2918.80	0.00	87.96	2918.42	6.18	-42.34	0.00	0.00	-6.08	
7	7218.80	0.00	0.00	7218.79	8.43	80.09	1.00	180.00	-8.32	
8	8987.28	0.00	0.00	8986.67	8.43	80.09	0.00	0.00	-8.32	
910711.40	88.78	180.14	10338.48	-848.83	48.48	8.80	180.14	880.83		
1021076.84	88.78	180.14	10688.00	-11011.88	23.78	0.00	-110.88	11011.88		

Annotation:
TIE ON TO SURVEYS
END OF TANGENT
END OF VERTICAL
START HUDGE (17100R BUR)
END TO 5' INC
END OF TANGENT
END TO VERTICAL
KOP (5.8' 1000' BUR)
PPPTP: 100R PNL & 1320R PNL of Sec 24
LTP/BHL: 100R PNL & 1320R PNL of Sec 28



WELLBORE TARGET DETAILS (LAT/LONG)						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
KOP - AIRSTREAM 24 STATE COM 602H	8986.67	8.43	80.09	11768618.10	2125685.24	32.388889°N
LTP/BHL - AIRSTREAM 24 STATE COM 602H	10688.00	-11011.88	23.78	11768487.04	2125700.88	32.358889°N
PPPTP - AIRSTREAM 24 STATE COM 602H	10338.48	-848.83	48.48	11768856.88	2125673.32	32.384178°N



Survey Report



Company:	CENTENNIAL RESOURCE DEVELOPMENT	Local Co-ordinate Reference:	Well AIRSTREAM 24 STATE COM #502H
Project:	LEA COUNTY, NM (NAD 83 - UTM Zone 13N)	TVD Reference:	KB 25' @ 3523.30usft (H&P 650)
Site:	SW SW SEC. 13 T22S T34E	MD Reference:	KB 25' @ 3523.30usft (H&P 650)
Well:	AIRSTREAM 24 STATE COM #502H	North Reference:	True
Wellbore:	ORIGINAL WELLBORE - JOB #2018-627-650	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEYS	Database:	Database 1

Project:	LEA COUNTY, NM (NAD 83 - UTM Zone 13 - TRUE)		
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:	SW SW SEC. 13 T22S T34E		
Site Position:		Northing:	11,759,505.51 usft
From:	Map	Easting:	2,125,485.31 usft
Position Uncertainty:	0.00 usft	Slot Radius:	1.10 ft
		Latitude:	32.385963°N
		Longitude:	103.428183°W
		Grid Convergence:	0.84 °

Well:	AIRSTREAM 24 STATE COM #502H		
Well Position	+N-S	0.00 usft	Northing: 11,759,505.94 usft
	+E-W	0.00 usft	Easting: 2,125,515.30 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	usft
		Latitude:	32.385963°N
		Longitude:	103.428086°W
		Ground Level:	3,498.30 usft

Wellbore:	ORIGINAL WELLBORE - JOB #2018-627-650		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	10/10/2018	6.76
			Dip Angle (°)
			60.22
			Field Strength (nT)
			47,913

Design:	FINAL SURVEYS		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction (°)
			179.88

Survey Program	Date 13/12/2018		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
25.00	11,483.00	FINAL SURVEYS (ORIGINAL WELLBORE)	MWD+IFR1+MS
			Description
			OWSG MWD + IFR1 + Multi-Station Correction

Survey											
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea 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	3,523.30	0.00	0.00	0.00	0.00	0.00	0.00	
25.00	0.00	0.00	25.00	3,498.30	0.00	0.00	0.00	0.00	0.00	0.00	
153.00	0.30	65.78	153.00	3,370.30	0.14	0.31	-0.14	0.23	0.23	0.00	
241.00	0.40	326.78	241.00	3,282.30	0.49	0.35	-0.49	0.61	0.11	-112.50	
390.00	0.90	35.78	389.99	3,133.31	1.87	0.75	-1.87	0.57	0.34	46.31	
516.00	1.10	275.78	515.98	3,007.32	2.80	0.12	-2.80	1.38	0.16	-95.24	
642.00	1.40	17.78	641.96	2,881.34	4.39	-0.61	-4.39	1.55	0.24	80.95	
736.00	1.30	24.78	735.94	2,787.36	6.45	0.19	-6.45	0.20	-0.11	7.45	
831.00	0.90	25.78	830.92	2,692.38	8.10	0.96	-8.10	0.42	-0.42	1.05	
925.00	0.30	20.78	924.91	2,598.39	8.99	1.37	-8.99	0.64	-0.64	-5.32	
1,020.00	0.20	56.78	1,019.91	2,503.39	9.32	1.60	-9.31	0.19	-0.11	37.89	
1,114.00	0.20	78.78	1,113.91	2,409.39	9.44	1.90	-9.43	0.08	0.00	23.40	
1,209.00	0.20	219.78	1,208.91	2,314.39	9.34	1.95	-9.34	0.40	0.00	148.42	

Survey Report



Company:	CENTENNIAL RESOURCE DEVELOPMENT	Local Co-ordinate Reference:	Well AIRSTREAM 24 STATE COM #502H
Project:	LEA COUNTY, NM (NAD 83 - UTM Zone 18N)	TVD Reference:	KB 25' @ 3523.30usft (H&P 650)
Site:	SW SW SEC. 13 T22S T34E	MD Reference:	KB 25' @ 3523.30usft (H&P 650)
Well:	AIRSTREAM 24 STATE COM #502H	North Reference:	True
Wellbore:	ORIGINAL WELLBORE - JOB #2018-001	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEYS	Database:	Database 1

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,303.00	0.40	241.78	1,302.91	2,220.39	9.06	1.56	-9.06	0.24	0.21	23.40
1,398.00	0.70	299.78	1,397.91	2,125.39	9.19	0.76	-9.19	0.63	0.32	61.05
1,492.00	0.70	257.78	1,491.90	2,031.40	9.36	-0.30	-9.36	0.53	0.00	-44.68
1,587.00	1.30	265.78	1,586.88	1,936.42	9.15	-1.94	-9.16	0.65	0.63	8.42
1,713.00	1.50	259.78	1,712.85	1,810.45	8.76	-4.99	-8.77	0.20	0.16	-4.76
1,807.00	1.20	263.78	1,806.82	1,716.48	8.43	-7.18	-8.45	0.33	-0.32	4.26
TIE ON TO INVICTUS SURVEY										
1,912.00	1.10	253.78	1,911.80	1,611.50	8.03	-9.24	-8.05	0.21	-0.10	-9.52
SURFACE CASING										
1,952.00	1.18	263.10	1,951.79	1,571.51	7.87	-10.02	-7.90	0.51	0.20	23.30
2,002.00	1.32	272.81	2,001.78	1,521.52	7.84	-11.10	-7.86	0.51	0.28	19.42
2,096.00	1.48	273.05	2,095.75	1,427.55	7.96	-13.40	-7.99	0.17	0.17	0.26
2,190.00	1.10	267.40	2,189.73	1,333.57	7.98	-15.51	-8.02	0.43	-0.40	-6.01
2,284.00	0.72	189.94	2,283.72	1,239.58	7.36	-16.51	-7.39	1.25	-0.40	-82.40
2,378.00	1.28	179.21	2,377.70	1,145.60	5.73	-16.60	-5.76	0.63	0.60	-11.41
2,472.00	0.85	129.37	2,471.69	1,051.61	4.24	-16.05	-4.27	1.04	-0.46	-53.02
2,566.00	1.03	93.57	2,565.68	957.62	3.74	-14.66	-3.77	0.64	0.19	-38.09
2,660.00	1.12	84.44	2,659.66	863.64	3.78	-12.91	-3.80	0.21	0.10	-9.71
2,754.00	1.18	75.43	2,753.64	769.66	4.11	-11.06	-4.13	0.20	0.06	-9.59
2,848.00	1.33	77.76	2,847.62	675.68	4.58	-9.05	-4.60	0.17	0.16	2.48
2,942.00	1.47	73.37	2,941.59	581.71	5.16	-6.83	-5.18	0.19	0.15	-4.67
3,036.00	0.83	102.88	3,035.57	487.73	5.35	-5.01	-5.36	0.91	-0.68	31.39
3,130.00	0.72	128.30	3,129.56	393.74	4.84	-3.89	-4.84	0.38	-0.12	27.04
3,224.00	0.73	120.80	3,223.56	299.74	4.16	-2.91	-4.17	0.10	0.01	-7.98
3,319.00	0.74	105.86	3,318.55	204.75	3.69	-1.80	-3.69	0.20	0.01	-15.73
3,413.00	0.46	29.96	3,412.55	110.75	3.85	-1.03	-3.85	0.82	-0.30	-80.74
3,507.00	1.06	348.31	3,506.54	16.76	5.03	-1.01	-5.03	0.83	0.64	-44.31
3,601.00	1.22	14.38	3,600.52	-77.22	6.85	-0.94	-6.85	0.57	0.17	27.73
3,695.00	1.53	26.46	3,694.49	-171.19	8.94	-0.13	-8.94	0.45	0.33	12.85
3,789.00	0.40	0.79	3,788.48	-265.18	10.39	0.43	-10.39	1.26	-1.20	-27.31
3,883.00	0.58	238.05	3,882.48	-359.18	10.47	0.03	-10.47	0.92	0.19	-130.57
3,977.00	0.62	243.22	3,976.47	-453.17	9.99	-0.83	-9.99	0.07	0.04	5.50
4,071.00	0.85	253.35	4,070.46	-547.16	9.56	-1.95	-9.56	0.28	0.24	10.78
4,165.00	1.04	268.59	4,164.45	-641.15	9.34	-3.47	-9.34	0.33	0.20	16.21
4,259.00	1.33	282.84	4,258.43	-735.13	9.56	-5.39	-9.57	0.44	0.31	15.16
4,353.00	1.58	285.51	4,352.40	-829.10	10.15	-7.70	-10.16	0.28	0.27	2.84
4,823.00	1.56	295.78	4,822.22	-1,298.92	14.66	-19.70	-14.70	0.06	0.00	2.19
4,917.00	0.21	238.64	4,916.21	-1,392.91	15.13	-21.00	-15.17	1.55	-1.44	-60.79
5,011.00	0.95	128.39	5,010.21	-1,486.91	14.55	-20.54	-14.60	1.11	0.79	-117.29
5,105.00	0.98	119.12	5,104.19	-1,580.89	13.68	-19.22	-13.72	0.17	0.03	-9.86
5,199.00	0.90	101.83	5,198.18	-1,674.88	13.14	-17.80	-13.18	0.31	-0.09	-18.39
5,293.00	0.71	105.19	5,292.17	-1,768.87	12.83	-16.52	-12.87	0.21	-0.20	3.57
5,387.00	0.71	119.17	5,386.17	-1,862.87	12.40	-15.44	-12.43	0.18	0.00	14.87
5,481.00	0.81	118.21	5,480.16	-1,956.86	11.80	-14.35	-11.83	0.11	0.11	-1.02
5,561.00	1.07	112.35	5,560.15	-2,036.85	11.25	-13.16	-11.28	0.35	0.32	-7.32
9 5/8" CASING PT										
5,611.00	1.16	109.92	5,610.14	-2,086.84	10.90	-12.25	-10.92	0.20	0.18	-4.85
5,655.00	1.24	108.08	5,654.13	-2,130.83	10.60	-11.38	-10.62	0.20	0.18	-4.19
5,749.00	1.22	108.04	5,748.11	-2,224.81	9.97	-9.46	-9.99	0.02	-0.02	-0.04
5,844.00	1.18	107.50	5,843.08	-2,319.78	9.37	-7.57	-9.38	0.04	-0.04	-0.57
5,938.00	1.59	83.90	5,937.06	-2,413.76	9.21	-5.35	-9.22	0.74	0.44	-25.11
6,032.00	3.64	73.28	6,030.96	-2,507.66	10.21	-1.20	-10.21	2.23	2.18	-11.30
6,126.00	4.21	73.84	6,124.73	-2,601.43	12.03	4.98	-12.02	0.61	0.61	0.60

Survey Report



Company:	CENTENNIAL RESOURCE DEVELOPMENT	Local Co-ordinate Reference:	Well AIRSTREAM 24 STATE COM #502H
Project:	LEA COUNTY, NM (NAD 83 - UTM Zone 18N)	TVD Reference:	KB 25' @ 3523.30usft (H&P 650)
Site:	SW SW SEC. 13 T22S T34E	MD Reference:	KB 25' @ 3523.30usft (H&P 650)
Well:	AIRSTREAM 24 STATE COM #502H	North Reference:	True
Wellbore:	ORIGINAL WELLBORE - JOB #2018-001	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEYS	Database:	Database 1

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,221.00	4.30	74.12	6,219.47	-2,696.17	13.97	11.75	-13.95	0.10	0.09	0.29
6,315.00	4.41	73.70	6,313.20	-2,789.90	15.95	18.61	-15.91	0.12	0.12	-0.45
6,409.00	4.20	77.59	6,406.94	-2,883.64	17.71	25.44	-17.65	0.38	-0.22	4.14
6,503.00	4.11	79.27	6,500.69	-2,977.39	19.07	32.11	-19.00	0.16	-0.10	1.79
6,597.00	3.75	89.98	6,594.47	-3,071.17	19.70	38.50	-19.62	0.87	-0.38	11.39
6,691.00	3.62	95.26	6,688.28	-3,164.98	19.43	44.52	-19.33	0.39	-0.14	5.62
6,785.00	3.66	96.91	6,782.09	-3,258.79	18.80	50.46	-18.69	0.12	0.04	1.76
6,880.00	2.03	114.72	6,876.97	-3,353.67	17.73	55.00	-17.61	1.93	-1.72	18.75
6,974.00	1.82	132.37	6,970.91	-3,447.61	16.03	57.61	-15.90	0.67	-0.22	18.78
7,068.00	1.14	134.30	7,064.88	-3,541.58	14.37	59.38	-14.24	0.73	-0.72	2.05
7,162.00	0.72	276.76	7,158.88	-3,635.58	13.78	59.47	-13.66	1.88	-0.45	151.55
7,256.00	0.58	256.53	7,252.87	-3,729.57	13.74	58.42	-13.62	0.28	-0.15	-21.52
7,351.00	0.40	280.40	7,347.87	-3,824.57	13.69	57.62	-13.57	0.28	-0.19	25.13
7,445.00	0.32	254.80	7,441.87	-3,918.57	13.68	57.05	-13.56	0.19	-0.09	-27.23
7,539.00	0.25	238.45	7,535.87	-4,012.57	13.50	56.62	-13.38	0.11	-0.07	-17.39
7,633.00	0.26	223.78	7,629.86	-4,106.56	13.24	56.30	-13.12	0.07	0.01	-15.61
7,727.00	0.22	196.07	7,723.86	-4,200.56	12.92	56.10	-12.80	0.13	-0.04	-29.48
7,821.00	0.17	159.58	7,817.86	-4,294.56	12.61	56.10	-12.49	0.14	-0.05	-38.82
7,916.00	0.14	100.60	7,912.86	-4,389.56	12.46	56.26	-12.34	0.16	-0.03	-62.08
8,010.00	0.37	75.10	8,006.86	-4,483.56	12.52	56.67	-12.39	0.27	0.24	-27.13
8,104.00	0.55	65.35	8,100.86	-4,577.56	12.78	57.37	-12.66	0.21	0.19	-10.37
8,198.00	0.76	63.88	8,194.85	-4,671.55	13.24	58.34	-13.12	0.22	0.22	-1.56
8,292.00	0.82	66.89	8,288.84	-4,765.54	13.78	59.52	-13.65	0.08	0.06	3.20
8,387.00	0.84	62.86	8,383.83	-4,860.53	14.37	60.76	-14.24	0.06	0.02	-4.24
8,481.00	0.84	60.73	8,477.82	-4,954.52	15.02	61.98	-14.88	0.03	0.00	-2.27
8,575.00	0.89	58.99	8,571.81	-5,048.51	15.73	63.21	-15.60	0.06	0.05	-1.85
8,669.00	1.06	43.58	8,665.80	-5,142.50	16.74	64.43	-16.60	0.33	0.18	-16.39
8,764.00	1.18	26.64	8,760.78	-5,237.48	18.25	65.47	-18.11	0.37	0.13	-17.83
8,858.00	1.17	7.54	8,854.76	-5,331.46	20.07	66.03	-19.92	0.41	-0.01	-20.32
8,952.00	1.17	357.88	8,948.74	-5,425.44	21.98	66.13	-21.83	0.21	0.00	-10.28
9,046.00	1.86	324.20	9,042.71	-5,519.41	24.17	65.20	-24.03	1.17	0.73	-35.83
9,140.00	2.04	348.12	9,136.66	-5,613.36	27.05	63.96	-26.91	0.88	0.19	25.45
9,234.00	0.82	28.07	9,230.63	-5,707.33	29.28	63.93	-29.14	1.60	-1.30	42.50
9,328.00	0.69	93.42	9,324.62	-5,801.32	29.84	64.81	-29.70	0.88	-0.14	69.52
9,422.00	0.32	171.60	9,418.62	-5,895.32	29.54	65.42	-29.40	0.74	-0.39	83.17
9,516.00	0.26	161.13	9,512.62	-5,989.32	29.08	65.52	-28.94	0.08	-0.06	-11.14
9,610.00	1.13	130.08	9,606.61	-6,083.31	28.28	66.30	-28.14	0.98	0.93	-33.03
9,688.00	1.33	129.22	9,684.59	-6,161.29	27.22	67.59	-27.07	0.26	0.26	-1.10
9,706.00	1.31	129.49	9,702.59	-6,179.29	26.95	67.91	-26.81	0.12	-0.11	1.50
KOP										
9,759.00	3.60	159.85	9,755.54	-6,232.24	25.01	68.95	-24.86	4.82	4.32	57.28
9,800.00	5.53	165.17	9,796.41	-6,273.11	21.89	69.90	-21.74	4.82	4.71	12.98
9,831.00	9.18	169.57	9,827.15	-6,303.85	18.01	70.73	-17.86	11.91	11.77	14.19
9,862.00	13.02	169.25	9,857.56	-6,334.26	12.15	71.83	-11.99	12.39	12.39	-1.03
9,894.00	16.13	170.05	9,888.53	-6,365.23	4.22	73.27	-4.07	9.74	9.72	2.50
9,926.00	19.92	170.51	9,918.95	-6,395.65	-5.53	74.94	5.70	11.85	11.84	1.44
9,957.00	23.25	172.55	9,947.77	-6,424.47	-16.81	76.61	16.98	11.01	10.74	6.58
9,988.00	25.50	173.89	9,976.01	-6,452.71	-29.52	78.11	29.68	7.47	7.26	4.32
10,020.00	27.89	175.88	10,004.60	-6,481.30	-43.83	79.38	44.00	7.97	7.47	6.22
10,051.00	30.01	177.03	10,031.72	-6,508.42	-58.81	80.30	58.98	7.07	6.84	3.71
10,083.00	31.49	178.25	10,059.22	-6,535.92	-75.15	80.97	75.33	5.02	4.62	3.81
10,114.00	33.35	178.62	10,085.39	-6,562.09	-91.77	81.43	91.94	6.03	6.00	1.19
10,145.00	36.36	179.30	10,110.82	-6,587.52	-109.48	81.74	109.65	9.79	9.71	2.19

Survey Report



Company:	CENTENNIAL RESOURCE DEVELOPMENT	Local Co-ordinate Reference:	Well AIRSTREAM 24 STATE COM #502H
Project:	LEA COUNTY, NM (NAD 83 - UTM Zone 18N)	TVD Reference:	KB 25' @ 3523.30usft (H&P 650)
Site:	SW SW SEC. 13 T22S T34E	MD Reference:	KB 25' @ 3523.30usft (H&P 650)
Well:	AIRSTREAM 24 STATE COM #502H	North Reference:	True
Wellbore:	ORIGINAL WELLBORE - JOB #2018-	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEYS	Database:	Database 1

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	Subsea Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,177.00	39.32	180.62	10,136.09	-6,612.79	-129.11	81.75	129.28	9.59	9.25	4.12
10,208.00	41.43	182.42	10,159.71	-6,636.41	-149.18	81.21	149.35	7.78	6.81	5.81
10,240.00	44.33	182.68	10,183.16	-6,659.86	-170.93	80.24	171.10	9.08	9.06	0.81
10,271.00	45.90	183.19	10,205.03	-6,681.73	-192.86	79.11	193.03	5.20	5.06	1.65
10,302.00	46.64	182.74	10,226.46	-6,703.16	-215.23	77.96	215.40	2.61	2.39	-1.45
10,334.00	49.13	180.68	10,247.92	-6,724.62	-238.96	77.26	239.12	9.13	7.78	-6.44
10,365.00	52.36	179.41	10,267.53	-6,744.23	-262.96	77.24	263.12	10.89	10.42	-4.10
10,397.00	54.85	177.89	10,286.52	-6,763.22	-288.70	77.86	288.87	8.67	7.78	-4.75
10,428.00	57.54	177.60	10,303.77	-6,780.47	-314.44	78.87	314.61	8.71	8.68	-0.94
10,459.00	60.75	178.76	10,319.66	-6,796.36	-341.04	79.71	341.21	10.84	10.35	3.74
10,491.00	63.46	180.53	10,334.63	-6,811.33	-369.31	79.88	369.48	9.78	8.47	5.53
10,522.00	66.13	181.41	10,347.83	-6,824.53	-397.35	79.40	397.53	8.99	8.61	2.84
10,554.00	69.36	181.43	10,359.95	-6,836.65	-426.96	78.67	427.13	10.09	10.09	0.06
10,585.00	72.85	181.77	10,369.99	-6,846.69	-456.27	77.85	456.44	11.31	11.26	1.10
10,616.00	76.30	181.78	10,378.23	-6,854.93	-486.14	76.92	486.30	11.13	11.13	0.03
10,648.00	79.21	181.75	10,385.02	-6,861.72	-517.39	75.96	517.55	9.09	9.09	-0.09
10,679.00	81.18	182.26	10,390.30	-6,867.00	-547.92	74.89	548.08	6.56	6.35	1.65
10,710.00	81.23	182.40	10,395.04	-6,871.74	-578.53	73.65	578.68	0.47	0.16	0.45
10,742.00	81.69	182.42	10,399.79	-6,876.49	-610.14	72.32	610.30	1.44	1.44	0.06
10,773.00	83.61	182.96	10,403.76	-6,880.46	-640.85	70.87	641.01	6.43	6.19	1.74
10,804.00	86.64	183.44	10,406.39	-6,883.09	-671.69	69.15	671.84	9.90	9.77	1.55
10,835.00	88.60	184.06	10,407.68	-6,884.38	-702.60	67.12	702.74	6.63	6.32	2.00
10,867.00	86.89	183.97	10,408.94	-6,885.64	-734.49	64.88	734.63	5.35	-5.34	-0.28
10,898.00	84.51	184.01	10,411.26	-6,887.96	-765.33	62.73	765.46	7.68	-7.68	0.13
10,929.00	82.03	183.83	10,414.89	-6,891.59	-796.04	60.63	796.17	8.02	-8.00	-0.58
10,961.00	81.93	183.60	10,419.36	-6,896.06	-827.66	58.57	827.78	0.78	-0.31	-0.72
10,992.00	83.46	182.75	10,423.30	-6,900.00	-858.36	56.87	858.48	5.64	4.94	-2.74
11,023.00	85.96	181.08	10,426.16	-6,902.86	-889.21	55.84	889.32	9.69	8.06	-5.39
11,055.00	87.56	179.55	10,427.97	-6,904.67	-921.15	55.67	921.27	6.91	5.00	-4.78
11,086.00	87.90	178.90	10,429.19	-6,905.89	-952.12	56.09	952.24	2.36	1.10	-2.10
11,117.00	88.11	178.90	10,430.27	-6,906.97	-983.10	56.68	983.22	0.68	0.68	0.00
11,149.00	88.63	178.81	10,431.18	-6,907.88	-1,015.08	57.32	1,015.20	1.65	1.62	-0.28
11,180.00	87.45	178.68	10,432.24	-6,908.94	-1,046.05	58.00	1,046.18	3.83	-3.81	-0.42
11,211.00	86.76	178.24	10,433.81	-6,910.51	-1,077.00	58.83	1,077.13	2.64	-2.23	-1.42
11,243.00	86.50	179.61	10,435.69	-6,912.39	-1,108.94	59.43	1,109.07	4.35	-0.81	4.28
11,274.00	86.79	179.81	10,437.50	-6,914.20	-1,139.89	59.59	1,140.01	1.14	0.94	0.65
11,304.00	86.97	181.18	10,439.14	-6,915.84	-1,169.84	59.33	1,169.97	4.60	0.60	4.57
11,335.00	86.90	181.50	10,440.79	-6,917.49	-1,200.79	58.60	1,200.91	1.06	-0.23	1.03
11,365.00	86.93	181.21	10,442.41	-6,919.11	-1,230.74	57.89	1,230.86	0.97	0.10	-0.97
11,395.00	87.10	181.21	10,443.97	-6,920.67	-1,260.69	57.26	1,260.81	0.57	0.57	0.00
LAST SURVEY NOV 24, 2018										
11,426.00	87.11	181.34	10,445.54	-6,922.24	-1,291.64	56.57	1,291.76	0.42	0.03	0.42
PROJECTION TO TD - ORIGINAL WELLBORE										
11,483.00	87.20	181.34	10,448.37	-6,925.07	-1,348.56	55.24	1,348.67	0.16	0.16	0.00

Survey Report



Company:	CENTENNIAL RESOURCE DEVELO	Local Co-ordinate Reference:	Well AIRSTREAM 24 STATE COM #502H
Project:	LEA COUNTY, NM (NAD 83 - UTM Z	TVD Reference:	KB 25' @ 3523.30usft (H&P 650)
Site:	SW SW SEC. 13 T22S T34E	MD Reference:	KB 25' @ 3523.30usft (H&P 650)
Well:	AIRSTREAM 24 STATE COM #502H	North Reference:	True
Wellbore:	ORIGINAL WELLBORE - JOB #2018-	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEYS	Database:	Database 1

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
LTP/BHL - AIRSTREA	0.00	0.00	10,566.00	-11,011.85	23.76	11,748,497.06	2,125,700.89	32.355695°N	103.428008°W
- survey misses target center by 9664.06usft at 11483.00usft MD (10448.37 TVD, -1348.56 N, 55.24 E)									
- Point									
PP/FTP - AIRSTREAM	0.00	0.00	10,339.48	-649.93	48.48	11,758,856.88	2,125,573.32	32.384176°N	103.427928°W
- survey misses target center by 68.61usft at 10777.81usft MD (10404.27 TVD, -645.63 N, 70.62 E)									
- Point									
KOP - AIRSTREAM 2	0.00	0.00	9,665.57	9.43	50.09	11,759,516.10	2,125,565.24	32.385989°N	103.427923°W
- survey misses target center by 24.92usft at 9668.94usft MD (9665.53 TVD, 27.49 N, 67.26 E)									
- Point									

Survey Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
1,912.00	1,911.80	8.03	-9.24	TIE ON TO INVICTUS SURVEY
1,952.00	1,951.79	7.87	-10.02	SURFACE CASING
5,611.00	5,610.14	10.90	-12.25	9 5/8" CASING PT
9,759.00	9,755.54	25.01	68.95	KOP
11,426.00	10,445.54	-1,291.64	56.57	LAST SURVEY NOV 24, 2018
11,483.00	10,448.37	-1,348.56	55.24	PROJECTION TO TD - ORIGINAL WELLBORE

Checked By: _____ Approved By: _____ Date: _____