

CENTENNIAL RESOURCE DEVELOPMENT, LLC

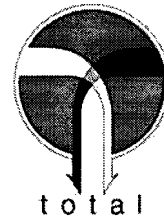
LEA COUNTY, NM (NAD 83 - UTM ZONE 13 - TRUE)

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: SIDETRACK - JOB #2018-627-650
Design: FINAL SURVEYS



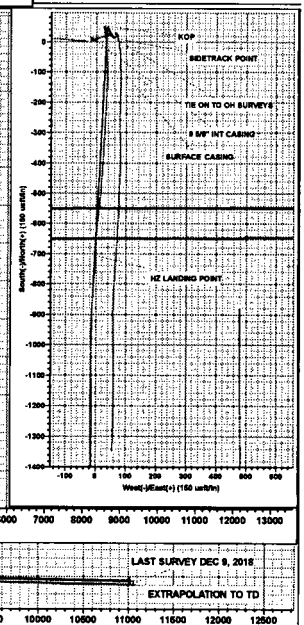
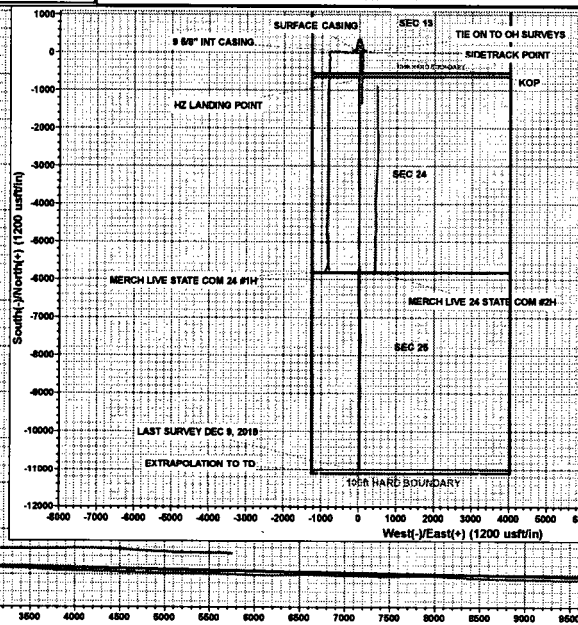
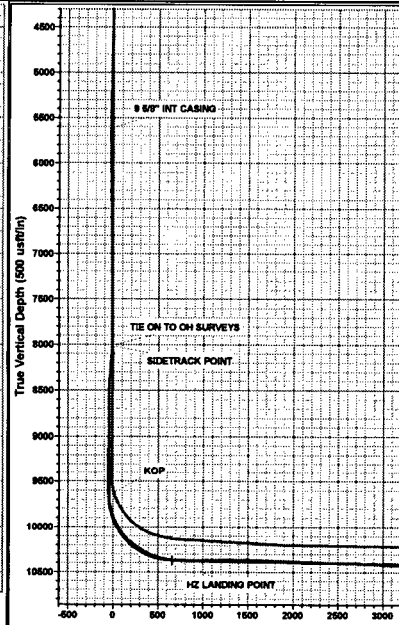
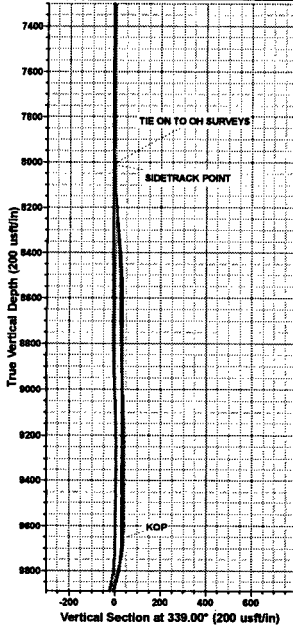
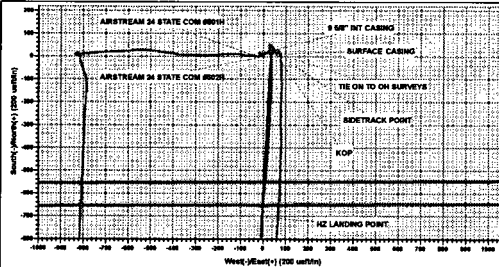
Azimuths to True North
Magnetic North: 6.74°
Magnetic Field
Strength: 47000-48000
Dip Angle: 60.21°
Date: 3/11/2018
Model: IGRF2015

SECTION DETAILS

Sec	MD	Inc	Az	TVD	+N-S	+E-W	Dlog	TFace	Vsect	Target	Annotation
1	8010.00	0.37	76.10	8096.08	12.82	66.67	0.00	0.00	-12.38		SIDETRACK POINT
2	8096.34	6.50	329.08	8092.00	16.78	85.62	0.00	-110.00	-16.88		BOH TO 6" INC
3	8398.34	6.00	329.08	8398.06	38.21	41.50	0.00	0.00	-36.12		END OF TANGENT
4	8948.34	0.00	0.00	8948.84	47.86	38.38	2.00	180.00	-47.49		BOG TO VERTICAL
5	8958.31	0.00	0.00	8952.91	47.86	38.38	0.00	0.00	-47.49		KOP (11000 BUR)
6	91077.11	88.00	183.00	10370.00	-86.18	-0.84	0.00	183.00	88.17		PPPTP "NEW": 108.38R PWL & 1276.22R PWL of Sec 24
7	10106.11	88.00	183.00	10374.00	-86.22	-13.08	0.00	0.00	88.79		END OF TANGENT
8	11112.82	88.00	178.77	10376.96	-88.28	-15.83	3.00	-80.06	88.23		BOH TO 178.77 AZ
9	12129.82	88.00	178.77	10861.00	-11011.86	23.78	0.00	0.00	11011.86		BHL: 100R PBL & 1320R PWL of Sec 25

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
LTP/BHL - AIRSTREAM 24 STATE COM 502H (P3) 10651.00	-11011.86	23.76	11748487.98	2126700.89	32.355689°N	103.428008°W	
PP/TP - AIRSTREAM 24 STATE COM 502H (P3) 10370.00	-86.31	-1.30	11758850.77	2126823.83	32.354161°N	103.428090°W	



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:	SIDETRACK - 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	Latitude:	32.385963°N	
From:	Map	Easting:	2,125,485.31 usft	Longitude:	103.428183°W	
Position Uncertainty:		0.00 usft	Slot Radius:	1.10ft	Grid Convergence:	0.84 °

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

Wellbore	SIDETRACK - JOB #2018-627-650				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	24/11/2018	6.74	60.21	47,900

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

Survey Program	Date 13/12/2018				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
25.00	21,177.00	FINAL SURVEYS (SIDETRACK - JOB #2)	MWD+IFR1+MS	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 12N)	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:	SIDETRACK - JOB #2018-627-650	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
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" INT CASING										
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
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

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:	SIDETRACK - JOB #2018-627-650	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)
6,315.00	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
TIE ON TO OH SURVEYS										
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
SIDETRACK POINT										
8,015.00	0.86	328.47	8,011.86	-4,488.56	12.55	56.66	-12.43	20.65	9.87	-2,132.68
8,016.00	1.06	324.63	8,012.86	-4,489.56	12.57	56.65	-12.44	20.65	19.63	-383.58
8,079.00	3.87	320.00	8,075.80	-4,552.50	14.67	54.95	-14.55	4.47	4.46	-7.35
8,111.00	4.25	315.42	8,107.72	-4,584.42	16.34	53.42	-16.23	1.56	1.19	-14.31
8,205.00	5.35	309.19	8,201.39	-4,678.09	21.59	47.58	-21.49	1.29	1.17	-6.63
8,299.00	5.19	310.08	8,294.99	-4,771.69	27.10	40.93	-27.01	0.19	-0.17	0.95
8,393.00	3.90	314.69	8,388.69	-4,865.39	32.08	35.41	-32.01	1.43	-1.37	4.90
8,487.00	2.31	316.06	8,482.55	-4,959.25	35.70	31.82	-35.63	1.69	-1.69	1.46
8,582.00	1.08	0.09	8,577.51	-5,054.21	37.97	30.49	-37.91	1.80	-1.29	46.35
8,676.00	1.15	19.94	8,671.49	-5,148.19	39.74	30.82	-39.68	0.42	0.07	21.12
8,770.00	1.11	6.76	8,765.47	-5,242.17	41.53	31.24	-41.47	0.28	-0.04	-14.02
8,864.00	1.25	352.22	8,859.46	-5,336.16	43.45	31.21	-43.39	0.35	0.15	-15.47
8,958.00	1.54	344.83	8,953.43	-5,430.13	45.69	30.74	-45.62	0.36	0.31	-7.86
9,052.00	1.65	340.58	9,047.39	-5,524.09	48.18	29.96	-48.12	0.17	0.12	-4.52
9,146.00	2.12	338.24	9,141.34	-5,618.04	51.08	28.87	-51.01	0.51	0.50	-2.49
9,240.00	0.52	316.88	9,235.31	-5,712.01	53.00	27.93	-52.94	1.75	-1.70	-22.72
9,334.00	0.28	203.74	9,329.31	-5,806.01	53.10	27.55	-53.04	0.72	-0.26	-120.36
9,428.00	0.42	240.17	9,423.31	-5,900.01	52.72	27.16	-52.66	0.27	0.15	38.76
9,522.00	0.28	242.84	9,517.31	-5,994.01	52.45	26.65	-52.39	0.15	-0.15	2.84
9,594.00	0.30	234.86	9,589.31	-6,066.01	52.26	26.34	-52.20	0.06	0.03	-11.08
9,611.00	0.34	239.12	9,606.31	-6,083.01	52.21	26.26	-52.15	0.27	0.24	25.06
KOP										
9,659.00	2.40	184.15	9,654.29	-6,130.99	51.13	26.07	-51.07	4.63	4.29	-114.51
9,674.00	3.09	182.54	9,669.27	-6,145.97	50.41	26.03	-50.36	4.63	4.60	-10.76
9,705.00	6.95	183.30	9,700.15	-6,176.85	47.70	25.88	-47.65	12.45	12.45	2.45
9,736.00	9.97	178.05	9,730.81	-6,207.51	43.15	25.87	-43.09	10.05	9.74	-16.94
9,768.00	12.51	171.31	9,762.19	-6,238.89	36.95	26.48	-36.90	8.92	7.94	-21.06
9,799.00	15.28	171.01	9,792.28	-6,268.98	29.60	27.63	-29.54	8.94	8.94	-0.97
9,830.00	18.01	169.30	9,821.98	-6,298.68	20.85	29.16	-20.79	8.95	8.81	-5.52
9,862.00	19.93	171.84	9,852.24	-6,328.94	10.59	30.85	-10.53	6.53	6.00	7.94
9,893.00	21.04	175.33	9,881.28	-6,357.98	-0.19	32.05	0.25	5.32	3.58	11.26
9,925.00	22.40	176.55	9,911.01	-6,387.71	-12.00	32.89	12.07	4.48	4.25	3.81

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:	SIDETRACK - JOB #2018-627-650	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)
9,956.00	23.85	175.62	9,939.52	-6,416.22	-24.14	33.72	24.22	4.82	4.68	-3.00
9,988.00	26.18	176.67	9,968.52	-6,445.22	-37.64	34.63	37.72	7.41	7.28	3.28
10,019.00	29.43	178.74	9,995.93	-6,472.63	-52.09	35.19	52.16	10.94	10.48	6.68
10,050.00	32.91	179.00	10,022.45	-6,499.15	-68.13	35.51	68.20	11.23	11.23	0.84
10,082.00	36.35	179.43	10,048.78	-6,525.48	-86.31	35.75	86.38	10.78	10.75	1.34
10,113.00	39.23	179.57	10,073.28	-6,549.98	-105.30	35.92	105.38	9.29	9.29	0.45
10,145.00	41.24	180.66	10,097.70	-6,574.40	-125.97	35.87	126.05	6.66	6.28	3.41
10,176.00	43.18	181.78	10,120.66	-6,597.36	-146.79	35.42	146.87	6.71	6.26	3.61
10,208.00	46.71	182.40	10,143.31	-6,620.01	-169.38	34.60	169.45	11.12	11.03	1.94
10,239.00	49.73	183.32	10,163.96	-6,640.66	-192.46	33.44	192.53	9.99	9.74	2.97
10,270.00	52.26	183.44	10,183.47	-6,660.17	-216.51	32.02	216.58	8.17	8.16	0.39
10,302.00	53.77	183.32	10,202.72	-6,679.42	-242.02	30.51	242.09	4.73	4.72	-0.37
10,333.00	55.18	182.60	10,220.74	-6,697.44	-267.22	29.21	267.28	4.93	4.55	-2.32
10,365.00	56.49	182.99	10,238.71	-6,715.41	-293.66	27.92	293.72	4.22	4.09	1.22
10,396.00	58.64	183.31	10,255.33	-6,732.03	-319.79	26.48	319.84	6.99	6.94	1.03
10,427.00	60.79	183.47	10,270.96	-6,747.66	-346.51	24.90	346.56	6.95	6.94	0.52
10,459.00	63.09	183.34	10,286.02	-6,762.72	-374.69	23.22	374.74	7.20	7.19	-0.41
10,490.00	64.88	183.64	10,299.61	-6,776.31	-402.50	21.52	402.55	5.84	5.77	0.97
10,521.00	67.46	183.78	10,312.14	-6,788.84	-430.80	19.69	430.84	8.33	8.32	0.45
10,553.00	70.09	184.07	10,323.72	-6,800.42	-460.55	17.65	460.59	8.26	8.22	0.91
10,584.00	72.11	184.54	10,333.76	-6,810.46	-489.80	15.44	489.83	6.67	6.52	1.52
10,616.00	75.05	184.55	10,342.80	-6,819.50	-520.39	13.01	520.42	9.19	9.19	0.03
10,647.00	77.75	185.83	10,350.09	-6,826.79	-550.40	10.28	550.42	9.59	8.71	4.13
10,678.00	80.32	186.59	10,355.99	-6,832.69	-580.65	6.99	580.66	8.63	8.29	2.45
10,710.00	82.11	186.76	10,360.88	-6,837.58	-612.06	3.32	612.06	5.62	5.59	0.53
10,741.00	83.73	185.65	10,364.70	-6,841.40	-642.64	-0.01	642.64	6.32	5.23	-3.58
10,772.00	86.26	183.90	10,367.40	-6,844.10	-673.41	-2.58	673.40	9.91	8.16	-5.65
HZ LANDING POINT										
10,804.00	87.90	182.85	10,369.03	-6,845.73	-705.31	-4.46	705.30	6.08	5.12	-3.28
10,835.00	88.15	182.93	10,370.10	-6,846.80	-736.25	-6.02	736.24	0.85	0.81	0.26
10,929.00	88.56	182.63	10,372.80	-6,849.50	-830.10	-10.58	830.08	0.54	0.44	-0.32
10,991.00	89.34	181.90	10,373.94	-6,850.64	-892.04	-13.03	892.01	1.72	1.26	-1.18
11,023.00	89.82	181.69	10,374.17	-6,850.87	-924.03	-14.03	923.99	1.64	1.50	-0.66
11,054.00	90.45	180.91	10,374.10	-6,850.80	-955.02	-14.73	954.98	3.23	2.03	-2.52
11,085.00	91.22	180.30	10,373.65	-6,850.35	-986.01	-15.06	985.98	3.17	2.48	-1.97
11,117.00	91.78	180.06	10,372.81	-6,849.51	-1,018.00	-15.16	1,017.97	1.90	1.75	-0.75
11,148.00	92.23	180.10	10,371.72	-6,848.42	-1,048.98	-15.20	1,048.95	1.46	1.45	0.13
11,179.00	91.57	180.18	10,370.70	-6,847.40	-1,079.97	-15.28	1,079.93	2.14	-2.13	0.26
11,273.00	91.47	180.43	10,368.20	-6,844.90	-1,173.93	-15.78	1,173.89	0.29	-0.11	0.27
11,365.00	90.29	180.03	10,366.79	-6,843.49	-1,265.92	-16.15	1,265.88	1.35	-1.28	-0.43
11,456.00	88.54	179.15	10,367.72	-6,844.42	-1,356.91	-15.50	1,356.87	2.15	-1.92	-0.97
11,547.00	89.75	178.67	10,369.08	-6,845.78	-1,447.88	-13.77	1,447.84	1.43	1.33	-0.53
11,638.00	88.39	178.13	10,370.55	-6,847.25	-1,538.83	-11.23	1,538.80	1.61	-1.49	-0.59
11,728.00	87.31	178.78	10,373.93	-6,850.63	-1,628.73	-8.80	1,628.71	1.40	-1.20	0.72
11,819.00	88.49	178.51	10,377.26	-6,853.96	-1,719.64	-6.65	1,719.62	1.33	1.30	-0.30
11,910.00	87.88	179.47	10,380.15	-6,856.85	-1,810.58	-5.05	1,810.57	1.25	-0.67	1.05
12,001.00	87.76	180.23	10,383.61	-6,860.31	-1,901.51	-4.81	1,901.50	0.84	-0.13	0.84
12,092.00	88.28	179.34	10,386.75	-6,863.45	-1,992.46	-4.47	1,992.44	1.13	0.57	-0.98
12,183.00	88.32	180.34	10,389.45	-6,866.15	-2,083.42	-4.22	2,083.40	1.10	0.04	1.10
12,278.00	88.77	179.71	10,391.86	-6,868.56	-2,178.38	-4.26	2,178.37	0.81	0.47	-0.66
12,372.00	87.56	180.64	10,394.87	-6,871.57	-2,272.33	-4.54	2,272.32	1.62	-1.29	0.99
12,466.00	87.27	180.25	10,399.11	-6,875.81	-2,366.23	-5.27	2,366.22	0.52	-0.31	-0.41
12,560.00	89.55	182.45	10,401.72	-6,878.42	-2,460.16	-7.49	2,460.14	3.37	2.43	2.34

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:	SIDETRACK - JOB #2018-627-650	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)
12,654.00	90.59	183.42	10,401.61	-6,878.31	-2,554.03	-12.30	2,554.00	1.51	1.11	1.03
12,685.00	90.52	183.00	10,401.31	-6,878.01	-2,584.98	-14.04	2,584.95	1.37	-0.23	-1.35
12,717.00	90.15	182.48	10,401.12	-6,877.82	-2,616.95	-15.57	2,616.91	1.99	-1.16	-1.62
12,748.00	88.22	181.99	10,401.56	-6,878.26	-2,647.92	-16.77	2,647.88	6.42	-6.23	-1.58
12,779.00	88.14	181.16	10,402.54	-6,879.24	-2,678.89	-17.63	2,678.85	2.69	-0.26	-2.68
12,811.00	87.88	180.65	10,403.66	-6,880.36	-2,710.87	-18.13	2,710.82	1.79	-0.81	-1.59
12,842.00	86.57	179.78	10,405.16	-6,881.86	-2,741.83	-18.25	2,741.78	5.07	-4.23	-2.81
12,873.00	86.62	179.42	10,407.00	-6,883.70	-2,772.77	-18.03	2,772.73	1.17	0.16	-1.16
12,905.00	86.86	179.56	10,408.82	-6,885.52	-2,804.72	-17.75	2,804.68	0.87	0.75	0.44
12,936.00	86.68	179.37	10,410.56	-6,887.26	-2,835.67	-17.46	2,835.63	0.84	-0.58	-0.61
13,031.00	85.64	180.25	10,416.93	-6,893.63	-2,930.45	-17.14	2,930.41	1.43	-1.09	0.93
13,125.00	87.73	180.20	10,422.36	-6,899.06	-3,024.29	-17.51	3,024.25	2.22	2.22	-0.05
13,219.00	87.53	180.19	10,426.25	-6,902.95	-3,118.21	-17.83	3,118.16	0.21	-0.21	-0.01
13,313.00	89.45	178.85	10,428.73	-6,905.43	-3,212.17	-17.04	3,212.12	2.49	2.04	-1.43
13,406.00	87.69	177.72	10,431.05	-6,907.75	-3,305.09	-14.26	3,305.05	2.25	-1.89	-1.22
13,500.00	88.58	178.37	10,434.11	-6,910.81	-3,398.99	-11.06	3,398.95	1.17	0.95	0.69
13,595.00	88.10	178.73	10,436.86	-6,913.56	-3,493.92	-8.65	3,493.89	0.63	-0.51	0.38
13,689.00	85.85	179.05	10,441.82	-6,918.52	-3,587.76	-6.84	3,587.74	2.42	-2.39	0.34
13,783.00	86.71	179.20	10,447.92	-6,924.62	-3,681.55	-5.40	3,681.53	0.93	0.91	0.16
13,877.00	87.37	179.27	10,452.77	-6,929.47	-3,775.42	-4.15	3,775.40	0.71	0.70	0.07
13,970.00	87.52	178.81	10,456.92	-6,933.62	-3,868.31	-2.59	3,868.30	0.52	0.16	-0.49
14,064.00	89.55	179.47	10,459.32	-6,936.02	-3,962.26	-1.18	3,962.25	2.27	2.16	0.70
14,158.00	89.27	180.22	10,460.29	-6,936.99	-4,056.26	-0.93	4,056.25	0.85	-0.30	0.80
14,252.00	89.02	180.71	10,461.69	-6,938.39	-4,150.24	-1.69	4,150.23	0.59	-0.27	0.52
14,346.00	89.48	181.52	10,462.92	-6,939.62	-4,244.22	-3.52	4,244.20	0.99	0.49	0.86
14,440.00	88.65	181.12	10,464.46	-6,941.16	-4,338.18	-5.69	4,338.16	0.98	-0.88	-0.43
14,534.00	87.76	180.42	10,467.40	-6,944.10	-4,432.12	-6.95	4,432.10	1.20	-0.95	-0.74
14,628.00	88.35	180.09	10,470.59	-6,947.29	-4,526.07	-7.37	4,526.04	0.72	0.63	-0.35
14,722.00	89.01	180.25	10,472.76	-6,949.46	-4,620.04	-7.65	4,620.01	0.72	0.70	0.17
14,816.00	88.52	179.95	10,474.78	-6,951.48	-4,714.02	-7.81	4,713.99	0.61	-0.52	-0.32
14,910.00	89.03	179.63	10,476.79	-6,953.49	-4,808.00	-7.46	4,807.97	0.64	0.54	-0.34
15,004.00	89.24	179.43	10,478.21	-6,954.91	-4,901.98	-6.69	4,901.96	0.31	0.22	-0.21
15,098.00	89.90	179.14	10,478.92	-6,955.62	-4,995.97	-5.52	4,995.95	0.77	0.70	-0.31
15,192.00	89.16	179.99	10,479.69	-6,956.39	-5,089.96	-4.81	5,089.94	1.20	-0.79	0.90
15,286.00	89.96	180.10	10,480.41	-6,957.11	-5,183.96	-4.88	5,183.94	0.86	0.85	0.12
15,380.00	89.62	180.19	10,480.75	-6,957.45	-5,277.96	-5.12	5,277.94	0.37	-0.36	0.10
15,474.00	88.38	180.97	10,482.39	-6,959.09	-5,371.94	-6.07	5,371.91	1.56	-1.32	0.83
15,569.00	87.17	180.47	10,486.08	-6,962.78	-5,466.86	-7.26	5,466.83	1.38	-1.27	-0.53
15,662.00	87.76	180.35	10,490.20	-6,966.90	-5,559.76	-7.93	5,559.73	0.65	0.63	-0.13
15,756.00	88.26	180.68	10,493.46	-6,970.16	-5,653.70	-8.77	5,653.67	0.64	0.53	0.35
15,850.00	87.80	181.09	10,496.69	-6,973.39	-5,747.63	-10.22	5,747.60	0.66	-0.49	0.44
15,944.00	88.18	181.25	10,499.99	-6,976.69	-5,841.56	-12.14	5,841.52	0.44	0.40	0.17
16,038.00	89.01	181.06	10,502.29	-6,978.99	-5,935.51	-14.04	5,935.46	0.91	0.88	-0.20
16,132.00	89.85	181.29	10,503.23	-6,979.93	-6,029.48	-15.96	6,029.43	0.93	0.89	0.24
16,195.00	90.08	180.88	10,503.27	-6,979.97	-6,092.47	-17.16	6,092.42	0.75	0.37	-0.65
16,226.00	88.78	179.99	10,503.57	-6,980.27	-6,123.47	-17.39	6,123.42	5.08	-4.19	-2.87
16,257.00	88.98	179.52	10,504.18	-6,980.88	-6,154.46	-17.26	6,154.41	1.65	0.65	-1.52
16,288.00	89.16	179.66	10,504.68	-6,981.38	-6,185.46	-17.04	6,185.41	0.74	0.58	0.45
16,320.00	89.24	179.18	10,505.13	-6,981.83	-6,217.45	-16.71	6,217.40	1.52	0.25	-1.50
16,351.00	89.62	178.67	10,505.44	-6,982.14	-6,248.45	-16.13	6,248.40	2.05	1.23	-1.65
16,382.00	90.15	178.29	10,505.50	-6,982.20	-6,279.43	-15.31	6,279.39	2.10	1.71	-1.23
16,414.00	90.81	177.88	10,505.23	-6,981.93	-6,311.41	-14.24	6,311.37	2.43	2.06	-1.28
16,445.00	91.01	177.85	10,504.74	-6,981.44	-6,342.39	-13.09	6,342.35	0.65	0.65	-0.10

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:	SIDETRACK - JOB #2018-627-650	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)
16,477.00	91.04	177.88	10,504.17	-6,980.87	-6,374.36	-11.89	6,374.32	0.13	0.09	0.09
16,508.00	91.14	177.73	10,503.58	-6,980.28	-6,405.33	-10.71	6,405.30	0.58	0.32	-0.48
16,539.00	91.47	177.69	10,502.87	-6,979.57	-6,436.30	-9.47	6,436.27	1.07	1.06	-0.13
16,602.00	91.92	177.81	10,501.01	-6,977.71	-6,499.22	-7.00	6,499.19	0.74	0.71	0.19
16,696.00	89.48	177.19	10,499.86	-6,976.56	-6,593.12	-2.90	6,593.10	2.68	-2.60	-0.66
16,790.00	88.14	175.59	10,501.81	-6,978.51	-6,686.91	3.02	6,686.90	2.22	-1.43	-1.70
16,884.00	89.31	176.32	10,503.90	-6,980.60	-6,780.65	9.65	6,780.65	1.47	1.24	0.78
16,978.00	88.37	177.13	10,505.81	-6,982.51	-6,874.47	15.02	6,874.49	1.32	-1.00	0.86
17,072.00	88.09	178.27	10,508.71	-6,985.41	-6,968.35	18.79	6,968.38	1.25	-0.30	1.21
17,166.00	88.63	178.75	10,511.40	-6,988.10	-7,062.28	21.23	7,062.31	0.77	0.57	0.51
17,260.00	88.57	178.71	10,513.70	-6,990.40	-7,156.23	23.31	7,156.26	0.08	-0.06	-0.04
17,354.00	89.48	178.38	10,515.30	-6,992.00	-7,250.19	25.70	7,250.22	1.03	0.97	-0.35
17,448.00	87.14	176.56	10,518.07	-6,994.77	-7,344.04	29.85	7,344.09	3.15	-2.49	-1.94
17,510.00	87.73	176.24	10,520.84	-6,997.54	-7,405.86	33.74	7,405.91	1.08	0.95	-0.52
17,542.00	89.66	177.26	10,521.57	-6,998.27	-7,437.80	35.55	7,437.86	6.82	6.03	3.19
17,594.00	90.17	177.23	10,521.65	-6,998.35	-7,489.74	38.05	7,489.80	0.98	0.98	-0.06
17,636.00	91.46	178.47	10,521.05	-6,997.75	-7,531.70	39.63	7,531.77	4.26	3.07	2.95
17,681.00	90.81	178.32	10,520.16	-6,996.86	-7,576.67	40.89	7,576.74	1.48	-1.44	-0.33
17,730.00	91.16	180.67	10,519.32	-6,996.02	-7,625.66	41.32	7,625.73	4.85	0.71	4.80
17,776.00	91.76	180.96	10,518.15	-6,994.85	-7,671.64	40.66	7,671.71	1.45	1.30	0.63
17,824.00	92.28	180.93	10,516.45	-6,993.15	-7,719.60	39.87	7,719.67	1.09	1.08	-0.06
17,918.00	91.37	182.04	10,513.46	-6,990.16	-7,813.52	37.44	7,813.59	1.53	-0.97	1.18
18,012.00	90.17	181.41	10,512.20	-6,988.90	-7,907.47	34.61	7,907.53	1.44	-1.28	-0.67
18,106.00	88.00	181.34	10,513.70	-6,990.40	-8,001.42	32.35	8,001.48	2.31	-2.31	-0.07
18,151.00	87.86	181.52	10,515.32	-6,992.02	-8,046.38	31.23	8,046.43	0.51	-0.31	0.40
18,200.00	85.41	182.16	10,518.20	-6,994.90	-8,095.27	29.66	8,095.31	5.17	-5.00	1.31
18,245.00	83.45	182.56	10,522.57	-6,999.27	-8,140.01	27.82	8,140.06	4.44	-4.36	0.89
18,294.00	85.33	181.91	10,527.36	-7,004.06	-8,188.74	25.91	8,188.78	4.06	3.84	-1.33
18,339.00	87.14	181.10	10,530.31	-7,007.01	-8,233.63	24.74	8,233.66	4.41	4.02	-1.80
18,389.00	87.21	180.47	10,532.78	-7,009.48	-8,283.56	24.05	8,283.59	1.27	0.14	-1.26
18,483.00	87.24	179.74	10,537.33	-7,014.03	-8,377.45	23.88	8,377.48	0.78	0.03	-0.78
18,577.00	87.62	179.60	10,541.54	-7,018.24	-8,471.35	24.42	8,471.39	0.43	0.40	-0.15
18,670.00	87.96	178.80	10,545.13	-7,021.83	-8,564.27	25.72	8,564.31	0.93	0.37	-0.86
18,765.00	88.42	177.90	10,548.13	-7,024.83	-8,659.19	28.45	8,659.23	1.06	0.48	-0.95
18,859.00	88.43	177.20	10,550.71	-7,027.41	-8,753.06	32.47	8,753.11	0.74	0.01	-0.74
18,953.00	89.80	178.65	10,552.17	-7,028.87	-8,846.99	35.87	8,847.04	2.12	1.46	1.54
19,046.00	88.49	180.05	10,553.55	-7,030.25	-8,939.97	36.93	8,940.02	2.06	-1.41	1.51
19,141.00	88.52	179.34	10,556.03	-7,032.73	-9,034.93	37.43	9,034.99	0.75	0.03	-0.75
19,235.00	88.35	182.06	10,558.60	-7,035.30	-9,128.88	36.28	9,128.94	2.90	-0.18	2.89
19,329.00	89.01	182.47	10,560.76	-7,037.46	-9,222.78	32.57	9,222.83	0.83	0.70	0.44
19,423.00	89.79	182.86	10,561.75	-7,038.45	-9,316.67	28.20	9,316.71	0.93	0.83	0.41
19,516.00	88.67	181.15	10,563.00	-7,039.70	-9,409.60	24.95	9,409.63	2.20	-1.20	-1.84
19,610.00	89.66	180.15	10,564.37	-7,041.07	-9,503.58	23.88	9,503.61	1.50	1.05	-1.06
19,704.00	89.85	179.82	10,564.77	-7,041.47	-9,597.58	23.91	9,597.61	0.41	0.20	-0.35
19,799.00	89.85	180.86	10,565.02	-7,041.72	-9,692.58	23.34	9,692.61	1.09	0.00	1.09
19,893.00	89.33	181.29	10,565.69	-7,042.39	-9,786.56	21.58	9,786.58	0.72	-0.55	0.46
19,987.00	89.59	180.81	10,566.58	-7,043.28	-9,880.54	19.86	9,880.56	0.58	0.28	-0.51
20,082.00	87.62	180.58	10,568.89	-7,045.59	-9,975.50	18.70	9,975.52	2.09	-2.07	-0.24
20,176.00	87.59	180.30	10,572.82	-7,049.52	-10,069.42	17.98	10,069.43	0.30	-0.03	-0.30
20,270.00	88.21	180.89	10,576.26	-7,052.96	-10,163.35	17.01	10,163.36	0.91	0.66	0.63
20,364.00	88.80	180.89	10,578.72	-7,055.42	-10,257.30	15.55	10,257.31	0.63	0.63	0.00
20,458.00	90.18	177.72	10,579.55	-7,056.25	-10,351.28	16.69	10,351.29	3.68	1.47	-3.37
20,552.00	89.15	183.16	10,580.10	-7,056.80	-10,445.24	15.97	10,445.25	5.89	-1.10	5.79

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:	SIDETRACK - JOB #2018-627-650	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)
20,647.00	89.57	183.35	10,581.16	-7,057.86	-10,540.08	10.57	10,540.08	0.49	0.44	0.20
20,741.00	88.24	182.26	10,582.96	-7,059.66	-10,633.94	5.97	10,633.93	1.83	-1.41	-1.16
20,835.00	88.43	182.04	10,585.69	-7,062.39	-10,727.84	2.45	10,727.82	0.31	0.20	-0.23
20,929.00	88.33	181.88	10,588.35	-7,065.05	-10,821.75	-0.77	10,821.72	0.20	-0.11	-0.17
21,023.00	89.01	181.99	10,590.53	-7,067.23	-10,915.67	-3.94	10,915.63	0.73	0.72	0.12
LAST SURVEY DEC 9, 2018										
21,117.00	89.05	181.92	10,592.12	-7,068.82	-11,009.60	-7.15	11,009.56	0.09	0.04	-0.07
EXTRAPOLATION TO TD										
21,177.00	89.05	181.92	10,593.12	-7,069.82	-11,069.56	-9.16	11,069.51	0.00	0.00	0.00

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PP/FTP - AIRSTREAM 24 STATE COM #502H	0.00	0.00	10,370.00	-655.31	-1.30	11,758,850.77	2,125,523.63	32.384161°N	103.428090°W
- hit/miss target									
- Shape									
- survey misses target center by 4.01usft at 10754.15usft MD (10366.01 TVD, -655.67 N, -1.21 E)									
- Point									
LTP/BHL - AIRSTREAM 24 STATE COM #502H	0.00	0.00	10,551.00	-11,011.85	23.76	11,748,497.06	2,125,700.89	32.355695°N	103.428008°W
- survey misses target center by 51.49usft at 21117.00usft MD (10592.12 TVD, -11009.60 N, -7.15 E)									
- Point									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
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" INT CASING
8,010.00	8,006.86	12.52	56.67	TIE ON TO OH SURVEYS
8,015.00	8,011.86	12.55	56.66	SIDETRACK POINT
9,659.00	9,654.29	51.13	26.07	KOP
10,804.00	10,369.03	-705.31	-4.46	HZ LANDING POINT
21,117.00	10,592.12	-11,009.60	-7.15	LAST SURVEY DEC 9, 2018
21,177.00	10,593.12	-11,069.56	-9.16	EXTRAPOLATION TO TD

Checked By: _____ Approved By: _____ Date: _____

**CENTENNIAL RESOURCE
DEVELOPMENT, LLC**

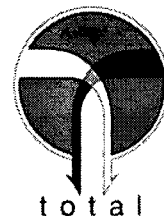
LEA COUNTY, NM (NAD 83 - UTM ZONE 13 - TRUE)

SW SW SEC. 13 T22S T34E

AIRSTREAM 24 STATE COM #501H

12 November, 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 #501H
Wellbore: JOB #2018-626-650
Design: FINAL SURVEYS

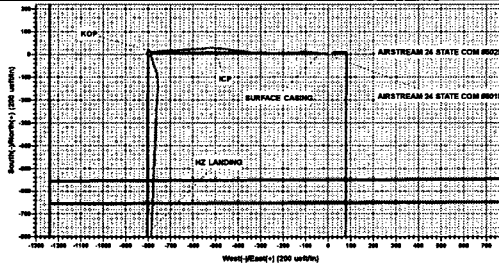


ANNOTATIONS

TVD	MD	Inc	Azi	+N/-S	+E/-W	Y-Sect	Dep	Annotation
1964.66	1965.00	0.92	274.11	4.14	-36.63	1.04	38.27	SURFACE CASING
5689.56	5691.00	6.86	275.58	28.77	-508.18	42.53	609.96	ICP
9454.99	9457.00	0.94	115.95	18.53	-795.12	95.34	825.23	KOP
10138.99	10140.00	88.61	182.44	-787.63	-784.26	870.19	1617.46	HZ LANDING
10264.84	10266.00	88.36	178.78	-8694.09	-772.32	8748.12	6548.24	LAST SURVEY - NOV 10, 2018
10265.00	10265.00	90.00	176.70	-8748.94	-768.38	8787.89	6588.24	PROJECTION TO TD

WELLBORE TARGET DETAILS (LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Longitude
LTP/BHL - AIRSTREAM 24 STATE COM #501H (P4)	10110.25	-5732.32	-813.41	11753762.60	2124768.33	-103.430917
PP/FTP - AIRSTREAM 24 STATE COM #501H (P4)	10110.25	-648.87	-801.39	11753844.22	2124695.66	-103.430779



Azimuth to True North
Magnetic North: 8.1°
Magnetic Field
Strength: 47915.1nT
Dip Angle: 60.22°
Date: 10/10/2018
Model: IGRF2018

