

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

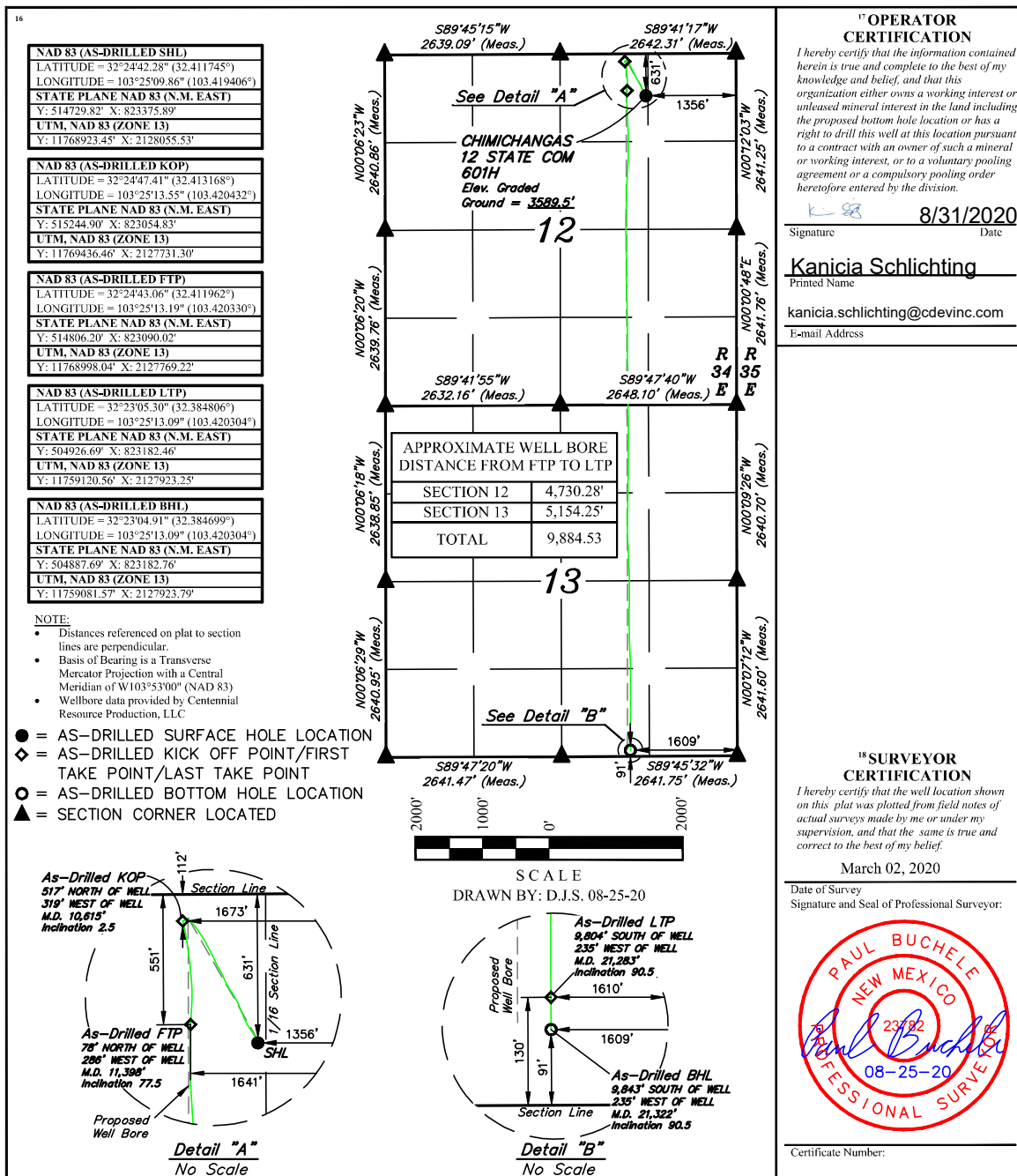
¹ API Number 30-025-46614	² Pool Code 96553	³ Pool Name Ojo Chiso; Bone Spring
⁴ Property Code 326729	⁵ Property Name CHIMICHANGAS 12 STATE COM	⁶ Well Number 601H
⁷ OGRID No. 372165	⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC	⁹ Elevation 3589.5'

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	12	22S	34E		631	NORTH	1356	EAST	LEA

¹⁰ Bottom Hole Location If Different From Surface**SL**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	13	22S	34E		91	SOUTH	1609	EAST	LEA
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.						

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.



CENTENNIAL RESOURCES DEVELOPEMENT, LLC

Lea County, NM
CHIMICHANGAS 12 STATE COM
601H

OH

Design: OH

Survey Report - Geographic

13 April, 2020

LEAM Drilling Systems

Survey Report - Geographic

Company:	CENTENNIAL RESOURCES DEVELOPEMENT, LLC	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM	TVD Reference:	GE 3590.6' + KB 26.5' @ 3617.10usft (H&P 618)
Site:	CHIMICHANGAS 12 STATE COM	MD Reference:	GE 3590.6' + KB 26.5' @ 3617.10usft (H&P 618)
Well:	601H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	LEAM Multi_User Db

Project	Lea County, NM		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD83 New Mexico - HARN		
Map Zone:	Zone 13N (108 W to 102 W)		

Site		CHIMICHANGAS 12 STATE COM			
Site Position:		Northing:	11,768,924.06 usft	Latitude:	32° 24' 42.287 N
From:	Map	Easting:	2,128,061.51 usft	Longitude:	103° 25' 9.791 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.85 °

Well	601H					
Well Position	+N/-S	0.00 usft	Northing:	11,768,924.06 usft	Latitude:	32° 24' 42.287 N
	+E/-W	0.00 usft	Easting:	2,128,061.51 usft	Longitude:	103° 25' 9.791 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,590.60 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	3/13/2020	6.57	60.22	47,945.00000000

Design	OH				
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	180.13	

Survey Program	Date	4/13/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
25.00	21,273.00	Survey #1 (OH)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction	
21,322.00	21,322.00	Survey #2 (OH)	Project	Projection	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
0.00	0.00	0.00	0.00	0.00	0.00	11,768,924.06	2,128,061.51	32° 24' 42.287 N	103° 25' 9.791 W	
25.00	0.00	0.00	25.00	0.00	0.00	11,768,924.06	2,128,061.51	32° 24' 42.287 N	103° 25' 9.791 W	
139.00	0.53	93.93	139.00	-0.04	0.53	11,768,924.03	2,128,062.03	32° 24' 42.287 N	103° 25' 9.785 W	
201.00	0.97	11.14	200.99	0.46	0.91	11,768,924.54	2,128,062.41	32° 24' 42.292 N	103° 25' 9.780 W	
260.00	1.06	80.22	259.99	1.04	1.55	11,768,925.13	2,128,063.04	32° 24' 42.297 N	103° 25' 9.773 W	
317.00	1.06	16.41	316.98	1.64	2.22	11,768,925.73	2,128,063.70	32° 24' 42.303 N	103° 25' 9.765 W	
374.00	0.88	19.40	373.97	2.56	2.51	11,768,926.66	2,128,063.98	32° 24' 42.312 N	103° 25' 9.762 W	
431.00	0.35	31.88	430.97	3.12	2.75	11,768,927.22	2,128,064.21	32° 24' 42.318 N	103° 25' 9.759 W	
520.00	0.62	43.84	519.96	3.69	3.23	11,768,927.80	2,128,064.68	32° 24' 42.324 N	103° 25' 9.753 W	
580.00	0.53	33.29	579.96	4.16	3.60	11,768,928.28	2,128,065.05	32° 24' 42.328 N	103° 25' 9.749 W	

LEAM Drilling Systems

Survey Report - Geographic

Company:	CENTENNIAL RESOURCES DEVELOPEMENT, LLC	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM	TVD Reference:	GE 3590.6' + KB 26.5' @ 3617.10usft (H&P 618)
Site:	CHIMICHANGAS 12 STATE COM	MD Reference:	GE 3590.6' + KB 26.5' @ 3617.10usft (H&P 618)
Well:	601H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	LEAM Multi_User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
670.00	0.53	47.53	669.96	4.79	4.14	11,768,928.91	2,128,065.57	32° 24' 42.334 N	103° 25' 9.743 W
760.00	0.62	359.71	759.95	5.56	4.44	11,768,929.69	2,128,065.87	32° 24' 42.342 N	103° 25' 9.739 W
851.00	0.44	358.13	850.95	6.40	4.43	11,768,930.53	2,128,065.84	32° 24' 42.350 N	103° 25' 9.739 W
943.00	0.44	342.21	942.95	7.09	4.31	11,768,931.21	2,128,065.71	32° 24' 42.357 N	103° 25' 9.741 W
1,033.00	0.09	356.55	1,032.95	7.49	4.20	11,768,931.61	2,128,065.60	32° 24' 42.361 N	103° 25' 9.742 W
1,126.00	0.09	180.95	1,125.95	7.49	4.19	11,768,931.61	2,128,065.59	32° 24' 42.361 N	103° 25' 9.742 W
1,218.00	0.00	299.95	1,217.95	7.42	4.19	11,768,931.54	2,128,065.59	32° 24' 42.360 N	103° 25' 9.742 W
1,309.00	0.18	277.98	1,308.95	7.44	4.05	11,768,931.56	2,128,065.45	32° 24' 42.361 N	103° 25' 9.744 W
1,400.00	0.18	286.41	1,399.94	7.50	3.77	11,768,931.61	2,128,065.17	32° 24' 42.361 N	103° 25' 9.747 W
1,495.00	0.18	286.94	1,494.94	7.58	3.49	11,768,931.70	2,128,064.88	32° 24' 42.362 N	103° 25' 9.750 W
1,590.00	0.09	249.15	1,589.94	7.60	3.27	11,768,931.71	2,128,064.67	32° 24' 42.362 N	103° 25' 9.753 W
1,685.00	0.26	269.89	1,684.94	7.57	2.99	11,768,931.68	2,128,064.38	32° 24' 42.362 N	103° 25' 9.756 W
1,728.00	0.26	281.49	1,727.94	7.59	2.80	11,768,931.69	2,128,064.19	32° 24' 42.362 N	103° 25' 9.758 W
1,800.00	0.19	280.56	1,799.94	7.65	2.52	11,768,931.74	2,128,063.91	32° 24' 42.363 N	103° 25' 9.762 W
13 3/8"									
1,900.00	0.09	276.83	1,899.94	7.68	2.28	11,768,931.78	2,128,063.67	32° 24' 42.363 N	103° 25' 9.764 W
1,995.00	0.83	316.31	1,994.94	8.19	1.73	11,768,932.28	2,128,063.12	32° 24' 42.368 N	103° 25' 9.771 W
2,090.00	2.30	312.72	2,089.90	9.98	-0.15	11,768,934.04	2,128,061.21	32° 24' 42.386 N	103° 25' 9.793 W
2,185.00	3.26	317.00	2,184.79	13.25	-3.39	11,768,937.26	2,128,057.92	32° 24' 42.418 N	103° 25' 9.831 W
2,280.00	4.71	326.03	2,279.56	18.46	-7.41	11,768,942.41	2,128,053.82	32° 24' 42.470 N	103° 25' 9.877 W
2,469.00	7.48	328.85	2,467.47	35.43	-18.11	11,768,959.22	2,128,042.87	32° 24' 42.638 N	103° 25' 10.002 W
2,564.00	7.71	327.02	2,561.64	46.07	-24.78	11,768,969.76	2,128,036.05	32° 24' 42.743 N	103° 25' 10.080 W
2,659.00	7.35	326.99	2,655.82	56.51	-31.56	11,768,980.10	2,128,029.12	32° 24' 42.846 N	103° 25' 10.159 W
2,753.00	7.07	328.13	2,749.07	66.46	-37.89	11,768,989.96	2,128,022.64	32° 24' 42.945 N	103° 25' 10.233 W
2,848.00	6.81	331.10	2,843.38	76.36	-43.70	11,768,999.77	2,128,016.68	32° 24' 43.043 N	103° 25' 10.301 W
2,942.00	7.50	331.98	2,936.65	86.65	-49.27	11,769,009.98	2,128,010.96	32° 24' 43.145 N	103° 25' 10.366 W
3,037.00	7.84	334.99	3,030.80	98.00	-54.93	11,769,021.24	2,128,005.14	32° 24' 43.257 N	103° 25' 10.432 W
3,132.00	7.30	339.28	3,124.97	109.52	-59.80	11,769,032.68	2,128,000.09	32° 24' 43.371 N	103° 25' 10.489 W
3,227.00	6.25	335.33	3,219.30	119.86	-64.09	11,769,042.96	2,127,995.65	32° 24' 43.473 N	103° 25' 10.539 W
3,322.00	7.55	337.15	3,313.61	130.31	-68.68	11,769,053.34	2,127,990.91	32° 24' 43.577 N	103° 25' 10.592 W
3,417.00	7.86	335.81	3,407.76	141.99	-73.76	11,769,064.94	2,127,985.65	32° 24' 43.692 N	103° 25' 10.652 W
3,512.00	7.49	339.43	3,501.91	153.71	-78.60	11,769,076.59	2,127,980.64	32° 24' 43.808 N	103° 25' 10.708 W
3,606.00	6.48	339.83	3,595.21	164.43	-82.58	11,769,087.25	2,127,976.50	32° 24' 43.914 N	103° 25' 10.754 W
3,700.00	6.58	331.12	3,688.60	174.12	-87.01	11,769,096.88	2,127,971.93	32° 24' 44.010 N	103° 25' 10.806 W
3,795.00	6.99	329.40	3,782.93	183.86	-92.58	11,769,106.54	2,127,966.22	32° 24' 44.107 N	103° 25' 10.871 W
3,889.00	6.45	331.13	3,876.29	193.41	-98.04	11,769,116.00	2,127,960.61	32° 24' 44.201 N	103° 25' 10.935 W
3,984.00	5.95	330.09	3,970.73	202.35	-103.07	11,769,124.87	2,127,955.45	32° 24' 44.289 N	103° 25' 10.993 W
4,079.00	6.59	327.65	4,065.16	211.22	-108.45	11,769,133.66	2,127,949.95	32° 24' 44.377 N	103° 25' 11.056 W
4,173.00	6.91	324.60	4,158.51	220.39	-114.61	11,769,142.73	2,127,943.65	32° 24' 44.468 N	103° 25' 11.128 W
4,268.00	6.59	328.10	4,252.85	229.68	-120.80	11,769,151.93	2,127,937.32	32° 24' 44.560 N	103° 25' 11.200 W
4,363.00	6.35	329.07	4,347.25	238.81	-126.38	11,769,160.98	2,127,931.61	32° 24' 44.650 N	103° 25' 11.265 W
4,458.00	6.38	334.70	4,441.66	248.09	-131.34	11,769,170.18	2,127,926.52	32° 24' 44.742 N	103° 25' 11.323 W
4,552.00	5.98	334.76	4,535.12	257.24	-135.66	11,769,179.27	2,127,922.06	32° 24' 44.833 N	103° 25' 11.374 W
4,646.00	6.04	335.35	4,628.60	266.16	-139.81	11,769,188.13	2,127,917.78	32° 24' 44.921 N	103° 25' 11.422 W
4,741.00	5.64	335.32	4,723.11	274.95	-143.84	11,769,196.85	2,127,913.62	32° 24' 45.008 N	103° 25' 11.469 W
4,836.00	5.67	335.53	4,817.65	283.46	-147.73	11,769,205.31	2,127,909.60	32° 24' 45.092 N	103° 25' 11.515 W
4,930.00	5.62	334.12	4,911.19	291.83	-151.67	11,769,213.62	2,127,905.54	32° 24' 45.175 N	103° 25' 11.560 W
5,025.00	5.35	334.02	5,005.75	300.00	-155.64	11,769,221.72	2,127,901.45	32° 24' 45.256 N	103° 25' 11.607 W
5,120.00	4.70	328.93	5,100.39	307.31	-159.59	11,769,228.98	2,127,897.39	32° 24' 45.328 N	103° 25' 11.653 W
5,214.00	4.70	328.93	5,194.07	313.91	-163.56	11,769,235.52	2,127,893.32	32° 24' 45.393 N	103° 25' 11.699 W
5,309.00	4.30	335.97	5,288.78	320.49	-167.02	11,769,242.05	2,127,889.77	32° 24' 45.459 N	103° 25' 11.740 W
5,404.00	4.89	331.53	5,383.48	327.31	-170.40	11,769,248.81	2,127,886.28	32° 24' 45.526 N	103° 25' 11.779 W
5,448.00	5.19	332.11	5,427.31	330.71	-172.23	11,769,252.19	2,127,884.41	32° 24' 45.560 N	103° 25' 11.800 W

LEAM Drilling Systems

Survey Report - Geographic

Company:	CENTENNIAL RESOURCES DEVELOPEMENT, LLC	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM	TVD Reference:	GE 3590.6' + KB 26.5' @ 3617.10usft (H&P 618)
Site:	CHIMICHANGAS 12 STATE COM	MD Reference:	GE 3590.6' + KB 26.5' @ 3617.10usft (H&P 618)
Well:	601H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	LEAM Multi_User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,500.00	5.14	331.96	5,479.09	334.85	-174.42	11,769,256.30	2,127,882.15	32° 24' 45.601 N	103° 25' 11.826 W
9 5/8"									
5,578.00	5.07	331.72	5,556.79	340.97	-177.70	11,769,262.37	2,127,878.79	32° 24' 45.661 N	103° 25' 11.864 W
5,673.00	7.12	336.50	5,651.24	350.07	-182.03	11,769,271.40	2,127,874.32	32° 24' 45.751 N	103° 25' 11.915 W
5,767.00	8.65	334.56	5,744.35	361.79	-187.39	11,769,283.05	2,127,868.78	32° 24' 45.867 N	103° 25' 11.977 W
5,862.00	9.20	332.36	5,838.20	374.97	-193.99	11,769,296.13	2,127,862.00	32° 24' 45.998 N	103° 25' 12.054 W
5,957.00	9.32	333.02	5,931.96	388.56	-201.00	11,769,309.60	2,127,854.78	32° 24' 46.132 N	103° 25' 12.136 W
6,052.00	9.07	332.08	6,025.74	402.03	-208.00	11,769,322.97	2,127,847.59	32° 24' 46.265 N	103° 25' 12.218 W
6,147.00	8.65	332.56	6,119.61	414.98	-214.79	11,769,335.82	2,127,840.60	32° 24' 46.394 N	103° 25' 12.297 W
6,241.00	8.44	331.25	6,212.57	427.31	-221.37	11,769,348.05	2,127,833.84	32° 24' 46.516 N	103° 25' 12.374 W
6,337.00	8.59	330.90	6,307.51	439.75	-228.24	11,769,360.39	2,127,826.78	32° 24' 46.639 N	103° 25' 12.454 W
6,432.00	8.67	329.60	6,401.43	452.12	-235.32	11,769,372.65	2,127,819.53	32° 24' 46.761 N	103° 25' 12.536 W
6,527.00	7.29	327.16	6,495.51	463.36	-242.21	11,769,383.79	2,127,812.47	32° 24' 46.872 N	103° 25' 12.617 W
6,622.00	6.99	325.26	6,589.77	473.18	-248.77	11,769,393.51	2,127,805.76	32° 24' 46.970 N	103° 25' 12.693 W
6,716.00	6.68	326.43	6,683.11	482.43	-255.06	11,769,402.67	2,127,799.34	32° 24' 47.061 N	103° 25' 12.767 W
6,811.00	5.25	320.72	6,777.59	490.40	-260.86	11,769,410.55	2,127,793.42	32° 24' 47.140 N	103° 25' 12.834 W
6,905.00	5.26	320.24	6,871.19	497.04	-266.34	11,769,417.11	2,127,787.84	32° 24' 47.206 N	103° 25' 12.898 W
7,000.00	4.73	316.51	6,965.83	503.23	-271.82	11,769,423.22	2,127,782.27	32° 24' 47.267 N	103° 25' 12.962 W
7,095.00	4.69	316.14	7,060.51	508.87	-277.21	11,769,428.78	2,127,776.80	32° 24' 47.323 N	103° 25' 13.025 W
7,190.00	3.07	316.81	7,155.29	513.53	-281.64	11,769,433.37	2,127,772.30	32° 24' 47.369 N	103° 25' 13.077 W
7,284.00	2.74	314.82	7,249.17	516.95	-284.96	11,769,436.74	2,127,768.93	32° 24' 47.403 N	103° 25' 13.115 W
7,379.00	2.64	320.43	7,344.07	520.23	-287.96	11,769,439.98	2,127,765.88	32° 24' 47.435 N	103° 25' 13.150 W
7,474.00	1.41	305.64	7,439.01	522.60	-290.31	11,769,442.31	2,127,763.50	32° 24' 47.459 N	103° 25' 13.178 W
7,569.00	1.47	309.82	7,533.98	524.06	-292.19	11,769,443.75	2,127,761.60	32° 24' 47.473 N	103° 25' 13.200 W
7,664.00	1.54	311.02	7,628.94	525.68	-294.09	11,769,445.34	2,127,759.67	32° 24' 47.489 N	103° 25' 13.222 W
7,758.00	0.52	235.80	7,722.93	526.27	-295.40	11,769,445.91	2,127,758.36	32° 24' 47.495 N	103° 25' 13.237 W
7,853.00	0.61	178.95	7,817.93	525.52	-295.74	11,769,445.15	2,127,758.02	32° 24' 47.488 N	103° 25' 13.241 W
7,948.00	0.48	175.23	7,912.92	524.62	-295.70	11,769,444.25	2,127,758.08	32° 24' 47.479 N	103° 25' 13.241 W
8,043.00	0.81	160.22	8,007.92	523.59	-295.44	11,769,443.23	2,127,758.35	32° 24' 47.469 N	103° 25' 13.238 W
8,138.00	0.76	157.30	8,102.91	522.38	-294.97	11,769,442.02	2,127,758.84	32° 24' 47.456 N	103° 25' 13.232 W
8,232.00	0.58	139.37	8,196.90	521.44	-294.42	11,769,441.09	2,127,759.41	32° 24' 47.447 N	103° 25' 13.226 W
8,327.00	0.71	115.32	8,291.89	520.83	-293.58	11,769,440.49	2,127,760.26	32° 24' 47.441 N	103° 25' 13.216 W
8,422.00	0.67	115.30	8,386.89	520.34	-292.54	11,769,440.02	2,127,761.30	32° 24' 47.436 N	103° 25' 13.204 W
8,516.00	0.66	101.63	8,480.88	519.99	-291.51	11,769,439.69	2,127,762.33	32° 24' 47.433 N	103° 25' 13.192 W
8,611.00	0.78	102.49	8,575.87	519.74	-290.35	11,769,439.45	2,127,763.51	32° 24' 47.430 N	103° 25' 13.178 W
8,706.00	0.93	95.10	8,670.86	519.53	-288.95	11,769,439.27	2,127,764.91	32° 24' 47.428 N	103° 25' 13.162 W
8,801.00	0.87	81.23	8,765.85	519.58	-287.47	11,769,439.33	2,127,766.39	32° 24' 47.429 N	103° 25' 13.145 W
8,896.00	0.61	84.19	8,860.84	519.74	-286.25	11,769,439.51	2,127,767.60	32° 24' 47.430 N	103° 25' 13.131 W
8,990.00	0.13	1.12	8,954.84	519.89	-285.75	11,769,439.67	2,127,768.10	32° 24' 47.432 N	103° 25' 13.125 W
9,085.00	0.24	278.48	9,049.84	520.03	-285.95	11,769,439.81	2,127,767.90	32° 24' 47.433 N	103° 25' 13.127 W
9,180.00	0.94	280.26	9,144.84	520.20	-286.91	11,769,439.96	2,127,766.94	32° 24' 47.435 N	103° 25' 13.138 W
9,275.00	1.41	278.37	9,239.82	520.51	-288.83	11,769,440.24	2,127,765.01	32° 24' 47.438 N	103° 25' 13.161 W
9,371.00	1.40	273.87	9,335.79	520.76	-291.17	11,769,440.46	2,127,762.67	32° 24' 47.440 N	103° 25' 13.188 W
9,465.00	1.91	283.72	9,429.75	521.21	-293.84	11,769,440.87	2,127,759.99	32° 24' 47.445 N	103° 25' 13.219 W
9,560.00	2.65	285.66	9,524.67	522.18	-297.49	11,769,441.78	2,127,756.33	32° 24' 47.454 N	103° 25' 13.262 W
9,655.00	0.69	236.67	9,619.63	522.46	-300.08	11,769,442.02	2,127,753.73	32° 24' 47.457 N	103° 25' 13.292 W
9,750.00	0.77	236.78	9,714.62	521.79	-301.10	11,769,441.34	2,127,752.73	32° 24' 47.451 N	103° 25' 13.304 W
9,845.00	1.06	244.93	9,809.61	521.07	-302.43	11,769,440.60	2,127,751.41	32° 24' 47.444 N	103° 25' 13.319 W
9,939.00	1.16	248.69	9,903.59	520.36	-304.10	11,769,439.86	2,127,749.74	32° 24' 47.436 N	103° 25' 13.339 W
10,035.00	1.27	259.22	9,999.57	519.80	-306.05	11,769,439.28	2,127,747.80	32° 24' 47.431 N	103° 25' 13.362 W
10,129.00	1.19	259.75	10,093.55	519.43	-308.03	11,769,438.88	2,127,745.82	32° 24' 47.427 N	103° 25' 13.385 W
10,224.00	1.29	260.27	10,188.53	519.08	-310.06	11,769,438.50	2,127,743.80	32° 24' 47.424 N	103° 25' 13.408 W
10,319.00	1.53	261.44	10,283.50	518.71	-312.37	11,769,438.10	2,127,741.50	32° 24' 47.420 N	103° 25' 13.435 W
10,414.00	1.08	311.04	10,378.48	519.11	-314.30	11,769,438.47	2,127,739.57	32° 24' 47.424 N	103° 25' 13.458 W

LEAM Drilling Systems

Survey Report - Geographic

Company:	CENTENNIAL RESOURCES DEVELOPEMENT, LLC	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM	TVD Reference:	GE 3590.6' + KB 26.5' @ 3617.10usft (H&P 618)
Site:	CHIMICHANGAS 12 STATE COM	MD Reference:	GE 3590.6' + KB 26.5' @ 3617.10usft (H&P 618)
Well:	601H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	LEAM Multi_User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
10,508.00	0.88	265.38	10,472.46	519.63	-315.68	11,769,438.97	2,127,738.17	32° 24' 47.429 N	103° 25' 13.474 W
10,559.00	0.75	264.10	10,523.46	519.57	-316.41	11,769,438.89	2,127,737.45	32° 24' 47.429 N	103° 25' 13.482 W
10,650.00	3.66	174.67	10,614.39	516.61	-316.73	11,769,435.93	2,127,737.17	32° 24' 47.399 N	103° 25' 13.486 W
10,718.00	10.60	165.08	10,681.83	508.40	-314.92	11,769,427.75	2,127,739.11	32° 24' 47.318 N	103° 25' 13.465 W
10,765.00	16.18	166.80	10,727.53	497.84	-312.31	11,769,417.23	2,127,741.87	32° 24' 47.214 N	103° 25' 13.434 W
10,812.00	20.28	166.61	10,772.16	483.53	-308.92	11,769,402.97	2,127,745.47	32° 24' 47.072 N	103° 25' 13.395 W
10,859.00	24.80	169.52	10,815.56	465.90	-305.24	11,769,385.40	2,127,749.41	32° 24' 46.898 N	103° 25' 13.352 W
10,907.00	28.58	170.43	10,858.44	444.68	-301.50	11,769,364.23	2,127,753.46	32° 24' 46.688 N	103° 25' 13.308 W
10,954.00	32.13	171.72	10,898.99	421.21	-297.83	11,769,340.83	2,127,757.48	32° 24' 46.455 N	103° 25' 13.266 W
11,002.00	35.93	173.00	10,938.77	394.59	-294.27	11,769,314.26	2,127,761.43	32° 24' 46.192 N	103° 25' 13.224 W
11,049.00	40.33	173.64	10,975.73	365.78	-290.91	11,769,285.50	2,127,765.22	32° 24' 45.907 N	103° 25' 13.185 W
11,096.00	43.97	174.25	11,010.57	334.42	-287.59	11,769,254.19	2,127,769.01	32° 24' 45.596 N	103° 25' 13.146 W
11,143.00	48.47	174.80	11,043.08	300.65	-284.36	11,769,220.47	2,127,772.74	32° 24' 45.262 N	103° 25' 13.108 W
11,190.00	52.40	175.57	11,073.01	264.55	-281.32	11,769,184.42	2,127,776.30	32° 24' 44.905 N	103° 25' 13.073 W
11,237.00	57.08	177.88	11,100.14	226.25	-279.15	11,769,146.16	2,127,779.04	32° 24' 44.526 N	103° 25' 13.048 W
11,285.00	63.03	181.81	11,124.09	184.69	-279.08	11,769,104.60	2,127,779.72	32° 24' 44.115 N	103° 25' 13.047 W
11,332.00	68.71	183.95	11,143.30	141.87	-281.25	11,769,061.76	2,127,778.19	32° 24' 43.691 N	103° 25' 13.072 W
11,379.00	74.59	183.61	11,158.09	97.38	-284.19	11,769,017.23	2,127,775.91	32° 24' 43.251 N	103° 25' 13.106 W
11,426.00	81.89	182.47	11,167.66	51.46	-286.62	11,768,971.28	2,127,774.15	32° 24' 42.796 N	103° 25' 13.135 W
11,473.00	89.33	181.56	11,171.26	4.66	-288.27	11,768,924.46	2,127,773.20	32° 24' 42.333 N	103° 25' 13.154 W
11,568.00	92.67	179.02	11,169.60	-90.30	-288.75	11,768,829.50	2,127,774.12	32° 24' 41.393 N	103° 25' 13.160 W
11,598.00	90.85	177.74	11,168.68	-120.27	-287.90	11,768,799.54	2,127,775.41	32° 24' 41.097 N	103° 25' 13.150 W
11,692.00	89.73	177.12	11,168.20	-214.18	-283.69	11,768,705.71	2,127,781.02	32° 24' 40.167 N	103° 25' 13.101 W
11,787.00	89.59	177.44	11,168.77	-309.07	-279.18	11,768,610.90	2,127,786.93	32° 24' 39.228 N	103° 25' 13.048 W
11,882.00	89.47	177.32	11,169.55	-403.97	-274.84	11,768,516.08	2,127,792.67	32° 24' 38.289 N	103° 25' 12.997 W
11,977.00	89.59	177.87	11,170.33	-498.88	-270.85	11,768,421.23	2,127,798.06	32° 24' 37.350 N	103° 25' 12.951 W
12,071.00	89.45	178.52	11,171.11	-592.83	-267.89	11,768,327.34	2,127,802.41	32° 24' 36.420 N	103° 25' 12.916 W
12,166.00	89.41	179.55	11,172.06	-687.81	-266.29	11,768,232.39	2,127,805.42	32° 24' 35.480 N	103° 25' 12.898 W
12,260.00	89.65	180.63	11,172.83	-781.80	-266.44	11,768,138.40	2,127,806.66	32° 24' 34.550 N	103° 25' 12.899 W
12,355.00	89.47	181.59	11,173.56	-876.78	-268.28	11,768,043.41	2,127,806.23	32° 24' 33.610 N	103° 25' 12.921 W
12,450.00	89.36	182.39	11,174.53	-971.72	-271.58	11,767,948.43	2,127,804.33	32° 24' 32.671 N	103° 25' 12.959 W
12,544.00	89.59	183.29	11,175.39	-1,065.60	-276.23	11,767,854.50	2,127,801.06	32° 24' 31.742 N	103° 25' 13.013 W
12,639.00	89.27	183.64	11,176.34	-1,160.42	-281.98	11,767,759.60	2,127,796.73	32° 24' 30.803 N	103° 25' 13.080 W
12,734.00	90.16	184.45	11,176.81	-1,255.18	-288.68	11,767,664.75	2,127,791.43	32° 24' 29.866 N	103° 25' 13.159 W
12,829.00	90.39	183.46	11,176.35	-1,349.95	-295.23	11,767,569.89	2,127,786.28	32° 24' 28.928 N	103° 25' 13.235 W
12,924.00	90.57	181.12	11,175.56	-1,444.87	-299.02	11,767,474.93	2,127,783.88	32° 24' 27.988 N	103° 25' 13.279 W
13,018.00	90.50	182.00	11,174.68	-1,538.83	-301.58	11,767,380.94	2,127,782.72	32° 24' 27.059 N	103° 25' 13.309 W
13,113.00	90.28	181.34	11,174.03	-1,633.78	-304.35	11,767,285.96	2,127,781.35	32° 24' 26.119 N	103° 25' 13.341 W
13,208.00	90.41	181.84	11,173.46	-1,728.74	-306.99	11,767,190.97	2,127,780.12	32° 24' 25.179 N	103° 25' 13.372 W
13,303.00	90.26	181.82	11,172.90	-1,823.69	-310.02	11,767,095.98	2,127,778.49	32° 24' 24.239 N	103° 25' 13.408 W
13,398.00	90.52	181.40	11,172.26	-1,918.65	-312.69	11,767,000.99	2,127,777.23	32° 24' 23.300 N	103° 25' 13.439 W
13,493.00	90.61	178.32	11,171.32	-2,013.64	-312.46	11,766,906.02	2,127,778.86	32° 24' 22.360 N	103° 25' 13.436 W
13,587.00	90.35	179.23	11,170.53	-2,107.61	-310.45	11,766,812.09	2,127,782.26	32° 24' 21.430 N	103° 25' 13.412 W
13,682.00	90.62	179.30	11,169.73	-2,202.60	-309.23	11,766,717.13	2,127,784.89	32° 24' 20.490 N	103° 25' 13.398 W
13,776.00	90.21	180.06	11,169.05	-2,296.60	-308.71	11,766,623.15	2,127,786.80	32° 24' 19.560 N	103° 25' 13.392 W
13,871.00	90.45	179.62	11,168.50	-2,391.59	-308.44	11,766,528.17	2,127,788.47	32° 24' 18.619 N	103° 25' 13.389 W
13,966.00	90.47	180.02	11,167.74	-2,486.59	-308.14	11,766,433.19	2,127,790.18	32° 24' 17.679 N	103° 25' 13.385 W
14,060.00	90.26	178.86	11,167.14	-2,580.58	-307.22	11,766,339.22	2,127,792.48	32° 24' 16.749 N	103° 25' 13.375 W
14,155.00	90.50	179.09	11,166.51	-2,675.56	-305.52	11,766,244.27	2,127,795.59	32° 24' 15.809 N	103° 25' 13.355 W
14,250.00	89.70	179.17	11,166.34	-2,770.55	-304.08	11,766,149.32	2,127,798.44	32° 24' 14.869 N	103° 25' 13.338 W
14,344.00	90.07	178.82	11,166.53	-2,864.54	-302.43	11,766,055.37	2,127,801.47	32° 24' 13.939 N	103° 25' 13.319 W
14,439.00	89.45	179.56	11,166.93	-2,959.53	-301.09	11,765,960.41	2,127,804.22	32° 24' 12.999 N	103° 25' 13.303 W
14,533.00	89.73	178.47	11,167.60	-3,053.51	-299.47	11,765,866.46	2,127,807.23	32° 24' 12.069 N	103° 25' 13.284 W
14,627.00	89.03	179.45	11,168.62	-3,147.49	-297.77	11,765,772.52	2,127,810.32	32° 24' 11.139 N	103° 25' 13.264 W

LEAM Drilling Systems

Survey Report - Geographic

Company:	CENTENNIAL RESOURCES DEVELOPEMENT, LLC	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM	TVD Reference:	GE 3590.6' + KB 26.5' @ 3617.10usft (H&P 618)
Site:	CHIMICHANGAS 12 STATE COM	MD Reference:	GE 3590.6' + KB 26.5' @ 3617.10usft (H&P 618)
Well:	601H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	LEAM Multi_User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
14,721.00	89.04	179.22	11,170.20	-3,241.47	-296.68	11,765,678.56	2,127,812.80	32° 24' 10.209 N	103° 25' 13.252 W
14,816.00	89.50	180.41	11,171.41	-3,336.46	-296.37	11,765,583.59	2,127,814.52	32° 24' 9.269 N	103° 25' 13.248 W
14,911.00	88.88	179.40	11,172.76	-3,431.44	-296.21	11,765,488.61	2,127,816.08	32° 24' 8.329 N	103° 25' 13.246 W
15,006.00	89.02	179.68	11,174.50	-3,526.43	-295.45	11,765,393.65	2,127,818.24	32° 24' 7.389 N	103° 25' 13.237 W
15,100.00	88.38	180.10	11,176.63	-3,620.40	-295.27	11,765,299.69	2,127,819.82	32° 24' 6.459 N	103° 25' 13.235 W
15,196.00	88.03	180.16	11,179.64	-3,716.35	-295.49	11,765,203.75	2,127,821.02	32° 24' 5.509 N	103° 25' 13.238 W
15,290.00	88.72	179.26	11,182.30	-3,810.31	-295.01	11,765,109.80	2,127,822.88	32° 24' 4.580 N	103° 25' 13.232 W
15,384.00	88.03	179.20	11,184.97	-3,904.27	-293.75	11,765,015.88	2,127,825.53	32° 24' 3.650 N	103° 25' 13.217 W
15,479.00	88.26	179.92	11,188.04	-3,999.21	-293.02	11,764,920.95	2,127,827.67	32° 24' 2.710 N	103° 25' 13.209 W
15,572.00	88.15	179.31	11,190.96	-4,092.16	-292.40	11,764,828.02	2,127,829.67	32° 24' 1.790 N	103° 25' 13.202 W
15,667.00	88.56	179.16	11,193.68	-4,187.12	-291.13	11,764,733.10	2,127,832.34	32° 24' 0.851 N	103° 25' 13.187 W
15,762.00	88.22	180.06	11,196.35	-4,282.08	-290.48	11,764,638.16	2,127,834.39	32° 23' 59.911 N	103° 25' 13.179 W
15,857.00	87.94	179.99	11,199.54	-4,377.02	-290.52	11,764,543.22	2,127,835.75	32° 23' 58.971 N	103° 25' 13.180 W
15,951.00	88.49	179.59	11,202.46	-4,470.98	-290.18	11,764,449.29	2,127,837.49	32° 23' 58.042 N	103° 25' 13.176 W
16,046.00	88.51	180.66	11,204.95	-4,565.94	-290.39	11,764,354.33	2,127,838.68	32° 23' 57.102 N	103° 25' 13.178 W
16,128.95	88.92	180.20	11,206.81	-4,648.87	-291.01	11,764,271.40	2,127,839.29	32° 23' 56.281 N	103° 25' 13.185 W
SL Crossing MD:16,128.95'									
16,141.00	88.98	180.13	11,207.03	-4,660.92	-291.04	11,764,259.35	2,127,839.43	32° 23' 56.162 N	103° 25' 13.186 W
16,236.00	88.76	179.58	11,208.91	-4,755.90	-290.80	11,764,164.39	2,127,841.08	32° 23' 55.222 N	103° 25' 13.183 W
16,331.00	89.23	178.60	11,210.57	-4,850.87	-289.29	11,764,069.45	2,127,843.99	32° 23' 54.282 N	103° 25' 13.165 W
16,425.00	89.31	179.26	11,211.77	-4,944.84	-287.54	11,763,975.51	2,127,847.14	32° 23' 53.352 N	103° 25' 13.145 W
16,520.00	88.97	177.79	11,213.20	-5,039.80	-285.09	11,763,880.60	2,127,850.99	32° 23' 52.412 N	103° 25' 13.116 W
16,615.00	88.55	180.37	11,215.25	-5,134.76	-283.57	11,763,785.67	2,127,853.92	32° 23' 51.473 N	103° 25' 13.098 W
16,711.00	89.03	181.07	11,217.28	-5,230.73	-284.77	11,763,689.70	2,127,854.13	32° 23' 50.523 N	103° 25' 13.112 W
16,805.00	88.79	180.99	11,219.07	-5,324.69	-286.46	11,763,595.72	2,127,853.83	32° 23' 49.593 N	103° 25' 13.132 W
16,900.00	88.89	181.02	11,220.99	-5,419.66	-288.13	11,763,500.73	2,127,853.57	32° 23' 48.653 N	103° 25' 13.152 W
16,995.00	88.70	180.57	11,222.99	-5,514.63	-289.45	11,763,405.76	2,127,853.65	32° 23' 47.713 N	103° 25' 13.167 W
17,089.00	88.90	181.12	11,224.96	-5,608.60	-290.83	11,763,311.78	2,127,853.66	32° 23' 46.783 N	103° 25' 13.183 W
17,184.00	89.41	180.55	11,226.36	-5,703.58	-292.22	11,763,216.79	2,127,853.68	32° 23' 45.844 N	103° 25' 13.199 W
17,279.00	90.89	181.42	11,226.11	-5,798.56	-293.85	11,763,121.79	2,127,853.45	32° 23' 44.904 N	103° 25' 13.218 W
17,374.00	88.53	180.54	11,226.59	-5,893.54	-295.47	11,763,026.80	2,127,853.23	32° 23' 43.964 N	103° 25' 13.237 W
17,468.00	89.25	180.42	11,228.41	-5,987.51	-296.26	11,762,932.82	2,127,853.83	32° 23' 43.034 N	103° 25' 13.246 W
17,562.00	88.68	181.77	11,230.11	-6,081.48	-298.06	11,762,838.84	2,127,853.43	32° 23' 42.104 N	103° 25' 13.267 W
17,657.00	88.99	180.95	11,232.04	-6,176.43	-300.31	11,762,743.86	2,127,852.58	32° 23' 41.164 N	103° 25' 13.293 W
17,752.00	88.78	181.32	11,233.89	-6,271.40	-302.19	11,762,648.88	2,127,852.10	32° 23' 40.224 N	103° 25' 13.315 W
17,847.00	88.99	181.37	11,235.74	-6,366.35	-304.42	11,762,553.91	2,127,851.28	32° 23' 39.285 N	103° 25' 13.341 W
17,942.00	88.89	180.52	11,237.49	-6,461.32	-305.99	11,762,458.92	2,127,851.12	32° 23' 38.345 N	103° 25' 13.360 W
18,037.00	87.55	179.76	11,240.45	-6,556.27	-306.22	11,762,363.98	2,127,852.29	32° 23' 37.405 N	103° 25' 13.362 W
18,131.00	85.49	177.97	11,246.15	-6,650.07	-304.36	11,762,270.22	2,127,855.53	32° 23' 36.477 N	103° 25' 13.341 W
18,227.00	85.61	176.88	11,253.60	-6,745.68	-300.06	11,762,174.68	2,127,861.24	32° 23' 35.531 N	103° 25' 13.290 W
18,284.00	84.29	176.21	11,258.62	-6,802.36	-296.64	11,762,118.06	2,127,865.50	32° 23' 34.970 N	103° 25' 13.251 W
18,330.00	86.09	176.90	11,262.47	-6,848.11	-293.89	11,762,072.35	2,127,868.93	32° 23' 34.517 N	103° 25' 13.218 W
18,425.00	88.78	178.35	11,266.73	-6,942.92	-289.96	11,761,977.61	2,127,874.27	32° 23' 33.579 N	103° 25' 13.173 W
18,519.00	88.65	177.72	11,268.83	-7,036.84	-286.74	11,761,883.75	2,127,878.88	32° 23' 32.649 N	103° 25' 13.135 W
18,614.00	92.31	178.13	11,268.04	-7,131.76	-283.30	11,761,788.89	2,127,883.72	32° 23' 31.710 N	103° 25' 13.095 W
18,709.00	89.26	178.97	11,266.74	-7,226.71	-280.89	11,761,693.99	2,127,887.53	32° 23' 30.770 N	103° 25' 13.067 W
18,804.00	89.58	178.18	11,267.70	-7,321.68	-278.53	11,761,599.07	2,127,891.29	32° 23' 29.831 N	103° 25' 13.039 W
18,899.00	90.39	181.26	11,267.72	-7,416.66	-278.07	11,761,504.10	2,127,893.16	32° 23' 28.891 N	103° 25' 13.034 W
18,994.00	91.22	181.79	11,266.39	-7,511.62	-280.59	11,761,409.12	2,127,892.04	32° 23' 27.951 N	103° 25' 13.063 W
19,089.00	88.95	181.26	11,266.25	-7,606.58	-283.12	11,761,314.13	2,127,890.92	32° 23' 27.011 N	103° 25' 13.093 W
19,184.00	88.87	181.48	11,268.06	-7,701.53	-285.39	11,761,219.15	2,127,890.05	32° 23' 26.071 N	103° 25' 13.119 W
19,278.00	88.24	180.50	11,270.43	-7,795.49	-287.02	11,761,125.18	2,127,889.82	32° 23' 25.142 N	103° 25' 13.138 W
19,373.00	87.70	179.79	11,273.79	-7,890.43	-287.26	11,761,030.25	2,127,890.98	32° 23' 24.202 N	103° 25' 13.141 W
19,468.00	89.82	179.82	11,275.85	-7,985.40	-286.93	11,760,935.29	2,127,892.71	32° 23' 23.262 N	103° 25' 13.137 W

LEAM Drilling Systems

Survey Report - Geographic

Company:	CENTENNIAL RESOURCES DEVELOPEMENT, LLC	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM	TVD Reference:	GE 3590.6' + KB 26.5' @ 3617.10usft (H&P 618)
Site:	CHIMICHANGAS 12 STATE COM	MD Reference:	GE 3590.6' + KB 26.5' @ 3617.10usft (H&P 618)
Well:	601H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	LEAM Multi_User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
19,563.00	90.49	179.04	11,275.59	-8,080.39	-285.99	11,760,840.33	2,127,895.06	32° 23' 22.322 N	103° 25' 13.126 W
19,657.00	89.81	178.76	11,275.34	-8,174.37	-284.18	11,760,746.38	2,127,898.25	32° 23' 21.392 N	103° 25' 13.105 W
19,751.00	89.29	175.77	11,276.08	-8,268.25	-279.70	11,760,652.58	2,127,904.13	32° 23' 20.463 N	103° 25' 13.053 W
19,846.00	89.90	178.14	11,276.75	-8,363.11	-274.65	11,760,557.81	2,127,910.57	32° 23' 19.524 N	103° 25' 12.994 W
19,940.00	90.16	179.29	11,276.70	-8,457.08	-272.55	11,760,463.87	2,127,914.07	32° 23' 18.594 N	103° 25' 12.969 W
20,035.00	90.60	179.29	11,276.07	-8,552.07	-271.37	11,760,368.91	2,127,916.65	32° 23' 17.654 N	103° 25' 12.955 W
20,129.00	90.48	179.82	11,275.19	-8,646.07	-270.64	11,760,274.94	2,127,918.77	32° 23' 16.724 N	103° 25' 12.947 W
20,223.00	90.78	180.79	11,274.15	-8,740.06	-271.14	11,760,180.95	2,127,919.66	32° 23' 15.794 N	103° 25' 12.953 W
20,317.00	90.80	180.48	11,272.86	-8,834.04	-272.18	11,760,086.96	2,127,920.01	32° 23' 14.864 N	103° 25' 12.965 W
20,411.00	89.42	180.16	11,272.68	-8,928.04	-272.71	11,759,992.97	2,127,920.88	32° 23' 13.934 N	103° 25' 12.971 W
20,505.00	89.04	179.87	11,273.94	-9,022.03	-272.73	11,759,898.99	2,127,922.24	32° 23' 13.004 N	103° 25' 12.971 W
20,599.00	87.74	179.72	11,276.58	-9,115.99	-272.39	11,759,805.04	2,127,923.97	32° 23' 12.074 N	103° 25' 12.967 W
20,694.00	89.14	180.51	11,279.17	-9,210.95	-272.58	11,759,710.09	2,127,925.18	32° 23' 11.134 N	103° 25' 12.969 W
20,788.00	91.07	181.27	11,279.00	-9,304.94	-274.04	11,759,616.09	2,127,925.11	32° 23' 10.204 N	103° 25' 12.986 W
20,882.00	90.08	180.68	11,278.05	-9,398.92	-275.64	11,759,522.10	2,127,924.90	32° 23' 9.274 N	103° 25' 13.005 W
20,976.00	91.60	180.70	11,276.67	-9,492.90	-276.78	11,759,428.11	2,127,925.16	32° 23' 8.344 N	103° 25' 13.018 W
21,071.00	90.87	179.70	11,274.63	-9,587.87	-277.11	11,759,333.14	2,127,926.23	32° 23' 7.404 N	103° 25' 13.022 W
21,164.00	90.66	180.05	11,273.39	-9,680.86	-276.90	11,759,240.16	2,127,927.81	32° 23' 6.484 N	103° 25' 13.020 W
21,259.00	90.49	180.30	11,272.43	-9,775.86	-277.19	11,759,145.17	2,127,928.93	32° 23' 5.544 N	103° 25' 13.023 W
21,273.00	90.45	180.05	11,272.32	-9,789.86	-277.24	11,759,131.18	2,127,929.09	32° 23' 5.405 N	103° 25' 13.024 W
21,313.82	90.45	180.05	11,272.00	-9,830.68	-277.27	11,759,090.36	2,127,929.66	32° 23' 5.001 N	103° 25' 13.024 W
100' HL Crossing MD:21,313.82'									
21,322.00	90.45	180.05	11,271.93	-9,838.86	-277.28	11,759,082.18	2,127,929.77	32° 23' 4.920 N	103° 25' 13.024 W
Projection									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL (Chimichanga 601H) - actual wellpath hits target center - Point	0.00	0.00	0.00	0.00	0.00	11,768,924.06	2,128,061.51	32° 24' 42.287 N	103° 25' 9.791 W
LTP/PBHL (Chimichanga 601H) - actual wellpath misses target center by 118.51usft at 21313.82usft MD (11272.00 TVD, -9830.68 N, -277.27 E) - Rectangle (sides W100.00 H9,786.82 D16.00)	0.00	180.13	11,163.00	-9,830.70	-323.79	11,759,089.65	2,127,883.15	32° 23' 5.001 N	103° 25' 13.567 W
PP/FTP (Chimichanga 601H) - actual wellpath misses target center by 246.92usft at 11077.92usft MD (10997.40 TVD, 346.75 N, -288.85 E) - Point	0.00	0.00	11,163.00	529.59	-299.61	11,769,449.16	2,127,754.10	32° 24' 47.528 N	103° 25' 13.286 W
BHL (Chimichanga 601H) - actual wellpath hits target center - Point	0.00	0.00	11,271.93	-9,838.86	-277.28	11,759,082.18	2,127,929.77	32° 23' 4.920 N	103° 25' 13.024 W

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,800.00	1,799.94	13 3/8"	13-3/8	17-1/2	
5,500.00	5,479.09	9 5/8"	9-5/8	12-1/4	

LEAM Drilling Systems

Survey Report - Geographic

Company:	CENTENNIAL RESOURCES DEVELOPEMENT, LLC	Local Co-ordinate Reference:	Well 601H
Project:	Lea County, NM	TVD Reference:	GE 3590.6' + KB 26.5' @ 3617.10usft (H&P 618)
Site:	CHIMICHANGAS 12 STATE COM	MD Reference:	GE 3590.6' + KB 26.5' @ 3617.10usft (H&P 618)
Well:	601H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	LEAM Multi_User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
16,128.95	11,206.81	-4,648.87	-291.01	SL Crossing MD:16,128.95'
21,313.82	11,272.00	-9,830.68	-277.27	100' HL Crossing MD:21,313.82'
21,322.00	11,271.93	-9,838.86	-277.28	Projection

Checked By: _____ Approved By: _____ Date: _____