



PHOENIX

TECHNOLOGY SERVICES USA INC.

Celebrating 20 Years of Focused Solutions

3610 Elkins Road, Midland, Texas 79705 T. 432.684.0057 F. 432.686.7964 www.phxtech.com

April 6, 2018

Oil Conservation Division
State of New Mexico
811 S. First St.
Artesia, New Mexico 88210

Dear District 2 - Artesia

Attention: Regulatory Department

Re: Legacy Reserves
Guitar Estate Com No. 1
Eddy County, NM
API #30-015-23215
Job No. 62600

Enclosed please find the Survey Data Certification, and the original Plat and one copy of the Survey Report performed on the above referenced Well by Phoenix Technology Services, Inc. (P-5 No. 664171). Other information required by your office is as follows:

Name & Title of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Angel Guebara	1	0	11,127	4/5/18	4/5/18	Gyro

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

RECEIVED

Best Regards,

MAY 14 2018

Brittany Carley

DISTRICT II-ARTESIA O.C.D.

Brittany Carley
Operations Administrator

SURVEY CERTIFICATION FORM

3610 Elkins Road Midland, TX 79705 t:432-684-0057 f: 432-686-7964



Company: Legacy Reserves

Job #: 62600

Well Name: Guitar Estate Com No.1

County/State: Eddy Co., NM

Survey Instrument Type: North Seek Rate Gyro

API # 30-015-23215

MAIN DATA

Measure Depth (ft)	Vertical Depth (ft)	Inclination (°)	Azimuth (°)	N-S Coordinates	E-W Coordinates	Data Source
0	0	0	0	0	0	Surface

First Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
4-5-2018	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
4-5-2018	11127	0.32	19.99

Projected G.D. Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
0	0	0	0

Grid Correction
-0.11

Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: Angel Guebara

To the best of my knowledge I certify this survey data to be correct and true

Date: 4-5-2018

Print Name: Angel Guebara

Signature: _____



Company: Legacy Reserves
 Well: Guitar Estate Com No.1
 Location: Eddy Co., NM
 Rig: Mast Unit

Job Number: 62600
 Grid Corr.: -0.11
 Lat: 32.29
 Long: -104.12

Date: 4-5-2018
 Calculation Method: Minimum Curvature
 Proposed Azimuth:
 RKB - MSL in feet: Ground
 Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
Enter Tie-In Survey on Line 10													
FIELD COPY, NON-DEFINITIVE													
TIE IN	0			0	0	0	0	0					
Gyro	100.00	0.22	38.31	100	100.00	0.15	0.15 N	0.12 E	0.19	38.31	0.22	0.22	38.31
	125.00	0.27	34.10	25	125.00	0.24	0.24 N	0.18 E	0.30	37.48	0.21	0.20	-16.84
	150.00	0.18	163.73	25	150.00	0.25	0.25 N	0.23 E	0.34	42.30	1.64	-0.36	518.52
	175.00	0.24	49.39	25	175.00	0.24	0.24 N	0.28 E	0.37	48.52	1.42	0.24	-457.36
	200.00	0.20	46.05	25	200.00	0.31	0.31 N	0.35 E	0.47	48.38	0.17	-0.16	-13.36
	225.00	0.19	69.18	25	225.00	0.35	0.35 N	0.42 E	0.55	49.74	0.32	-0.04	92.52
	250.00	0.31	71.24	25	250.00	0.39	0.39 N	0.52 E	0.65	53.14	0.48	0.48	8.24
	275.00	0.29	49.09	25	275.00	0.45	0.45 N	0.63 E	0.78	54.36	0.47	-0.08	-88.60
	300.00	0.38	39.58	25	300.00	0.56	0.56 N	0.73 E	0.92	52.68	0.42	0.36	-38.04
	325.00	0.37	42.88	25	325.00	0.68	0.68 N	0.84 E	1.08	50.96	0.10	-0.04	13.20
	350.00	0.37	46.94	25	350.00	0.80	0.80 N	0.95 E	1.24	50.17	0.10	0.00	16.24
	375.00	0.47	49.35	25	375.00	0.92	0.92 N	1.09 E	1.43	49.93	0.41	0.40	9.64
	400.00	0.49	46.55	25	400.00	1.06	1.06 N	1.25 E	1.64	49.68	0.12	0.08	-11.20
	425.00	0.49	52.32	25	424.99	1.20	1.20 N	1.41 E	1.85	49.65	0.20	0.00	23.08
	450.00	0.47	50.77	25	449.99	1.33	1.33 N	1.57 E	2.06	49.84	0.10	-0.08	-6.20
	475.00	0.44	46.08	25	474.99	1.46	1.46 N	1.72 E	2.26	49.72	0.19	-0.12	-18.76
	500.00	0.42	49.13	25	499.99	1.59	1.59 N	1.86 E	2.44	49.56	0.12	-0.08	12.20
	525.00	0.43	39.81	25	524.99	1.72	1.72 N	1.99 E	2.63	49.20	0.28	0.04	-37.28
	550.00	0.53	47.07	25	549.99	1.87	1.87 N	2.13 E	2.84	48.80	0.47	0.40	29.04
	575.00	0.48	50.01	25	574.99	2.01	2.01 N	2.30 E	3.06	48.78	0.23	-0.20	11.76
	600.00	0.52	50.83	25	599.99	2.15	2.15 N	2.47 E	3.27	48.89	0.16	0.16	3.28
	625.00	0.49	51.82	25	624.99	2.29	2.29 N	2.64 E	3.50	49.04	0.12	-0.12	3.96
	650.00	0.53	49.76	25	649.99	2.43	2.43 N	2.81 E	3.72	49.14	0.18	0.16	-8.24
	675.00	0.49	45.66	25	674.99	2.58	2.58 N	2.98 E	3.94	49.07	0.22	-0.16	-16.40
	700.00	0.48	45.50	25	699.98	2.73	2.73 N	3.13 E	4.15	48.89	0.04	-0.04	-0.64
	725.00	0.41	30.46	25	724.98	2.88	2.88 N	3.25 E	4.34	48.43	0.54	-0.28	-60.16
	750.00	0.48	49.95	25	749.98	3.02	3.02 N	3.37 E	4.53	48.12	0.66	0.28	77.96
	775.00	0.47	50.92	25	774.98	3.16	3.16 N	3.53 E	4.74	48.22	0.05	-0.04	3.88
	800.00	0.47	48.45	25	799.98	3.29	3.29 N	3.69 E	4.94	48.28	0.08	0.00	-9.88
	825.00	0.46	53.06	25	824.98	3.42	3.42 N	3.85 E	5.14	48.38	0.15	-0.04	18.44



PHOENIX
TECHNOLOGY SERVICES

Company: Legacy Reserves
Well: Guitar Estate Com No.1
Location: Eddy Co., NM
Rig: Mast Unit

Job Number: 62600
Grid Corr.: -0.11
Lat: 32.29
Long: -104.12

Calculation Method: Minimum Curvature
Proposed Azimuth:
RKB - MSL in feet: Ground
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	850.00	0.49	40.13	25	849.98	3.56	3.56 N	4.00 E	5.35	48.30	0.44	0.12	-51.72
	875.00	0.40	74.94	25	874.98	3.66	3.66 N	4.15 E	5.53	48.55	1.12	-0.36	139.24
	900.00	0.37	121.69	25	899.98	3.64	3.64 N	4.30 E	5.64	49.73	1.23	-0.12	187.00
	925.00	0.40	68.63	25	924.98	3.63	3.63 N	4.45 E	5.75	50.78	1.38	0.12	-212.24
	950.00	0.37	55.77	25	949.98	3.71	3.71 N	4.60 E	5.91	51.10	0.36	-0.12	-51.44
	975.00	0.37	147.30	25	974.98	3.69	3.69 N	4.71 E	5.98	51.94	2.12	0.00	366.12
	1000.00	0.31	63.42	25	999.98	3.65	3.65 N	4.81 E	6.04	52.83	1.83	-0.24	-335.52
	1025.00	0.33	86.58	25	1024.98	3.69	3.69 N	4.95 E	6.17	53.31	0.52	0.08	92.64
	1050.00	0.30	82.65	25	1049.98	3.70	3.70 N	5.08 E	6.29	53.96	0.15	-0.12	-15.72
	1075.00	0.26	139.79	25	1074.98	3.66	3.66 N	5.18 E	6.35	54.76	1.08	-0.16	228.56
	1100.00	0.28	184.18	25	1099.98	3.56	3.56 N	5.22 E	6.31	55.70	0.82	0.08	177.56
	1125.00	0.31	63.92	25	1124.98	3.53	3.53 N	5.27 E	6.34	56.22	2.05	0.12	-481.04
	1150.00	0.27	113.61	25	1149.97	3.53	3.53 N	5.39 E	6.44	56.74	0.99	-0.16	198.76
	1175.00	0.25	121.20	25	1174.97	3.48	3.48 N	5.49 E	6.50	57.61	0.16	-0.08	30.36
	1200.00	0.29	127.96	25	1199.97	3.41	3.41 N	5.58 E	6.55	58.56	0.20	0.16	27.04
	1225.00	0.31	195.20	25	1224.97	3.31	3.31 N	5.62 E	6.52	59.49	1.33	0.08	268.96
	1250.00	0.18	19.63	25	1249.97	3.28	3.28 N	5.61 E	6.50	59.68	1.96	-0.52	-702.28
	1275.00	0.29	139.83	25	1274.97	3.27	3.27 N	5.67 E	6.54	60.01	1.64	0.44	480.80
	1300.00	0.26	146.27	25	1299.97	3.18	3.18 N	5.74 E	6.56	61.05	0.17	-0.12	25.76
	1325.00	0.27	161.87	25	1324.97	3.07	3.07 N	5.79 E	6.55	62.05	0.29	0.04	62.40
	1350.00	0.34	148.32	25	1349.97	2.95	2.95 N	5.85 E	6.55	63.20	0.40	0.28	-54.20
	1375.00	0.29	150.18	25	1374.97	2.83	2.83 N	5.92 E	6.56	64.40	0.20	-0.20	7.44
	1400.00	0.29	146.43	25	1399.97	2.73	2.73 N	5.98 E	6.57	65.49	0.08	0.00	-15.00
	1425.00	0.36	154.00	25	1424.97	2.60	2.60 N	6.05 E	6.59	66.72	0.33	0.28	30.28
	1450.00	0.28	155.25	25	1449.97	2.48	2.48 N	6.11 E	6.60	67.93	0.32	-0.32	5.00
	1475.00	0.30	171.62	25	1474.97	2.36	2.36 N	6.15 E	6.58	69.02	0.34	0.08	65.48
	1500.00	0.30	172.98	25	1499.97	2.23	2.23 N	6.16 E	6.55	70.13	0.03	0.00	5.44
	1525.00	0.27	138.06	25	1524.97	2.12	2.12 N	6.21 E	6.56	71.16	0.69	-0.12	-139.68
	1550.00	0.25	165.94	25	1549.97	2.02	2.02 N	6.26 E	6.58	72.11	0.51	-0.08	111.52
	1575.00	0.34	148.17	25	1574.97	1.91	1.91 N	6.32 E	6.60	73.21	0.51	0.36	-71.08
	1600.00	0.33	129.90	25	1599.97	1.80	1.80 N	6.41 E	6.66	74.34	0.43	-0.04	-73.08
	1625.00	0.51	151.62	25	1624.97	1.65	1.65 N	6.52 E	6.73	75.77	0.95	0.72	86.88
	1650.00	0.64	139.66	25	1649.97	1.45	1.45 N	6.66 E	6.82	77.73	0.71	0.52	-47.84



Job Number:	62600
Grid Corr.:	-0.11
Lat:	32.29
Long:	-104.12

Calculation Method: Minimum Curvature
Proposed Azimuth: _____
RKB - MSL in feet: Ground
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	1675.00	0.76	133.48	25	1674.97	1.23	1.23 N	6.87 E	6.98	79.87	0.57	0.48	-24.72
	1700.00	0.94	139.82	25	1699.96	0.96	0.96 N	7.13 E	7.19	82.35	0.81	0.72	25.36
	1725.00	0.92	148.49	25	1724.96	0.63	0.63 N	7.36 E	7.39	85.11	0.57	-0.08	34.68
	1750.00	0.99	145.29	25	1749.96	0.28	0.28 N	7.59 E	7.60	87.88	0.35	0.28	-12.80
	1775.00	0.98	140.45	25	1774.95	-0.06	0.06 S	7.85 E	7.85	90.45	0.34	-0.04	-19.36
	1800.00	1.04	140.40	25	1799.95	-0.40	0.40 S	8.13 E	8.14	92.82	0.24	0.24	-0.20
	1825.00	1.02	143.39	25	1824.94	-0.75	0.75 S	8.41 E	8.44	95.13	0.23	-0.08	11.96
	1850.00	1.03	133.56	25	1849.94	-1.09	1.09 S	8.70 E	8.77	97.12	0.70	0.04	-39.32
	1875.00	1.19	132.89	25	1874.94	-1.42	1.42 S	9.06 E	9.17	98.91	0.64	0.64	-2.68
	1900.00	1.41	129.45	25	1899.93	-1.79	1.79 S	9.48 E	9.65	100.70	0.93	0.88	-13.76
	1925.00	1.53	133.82	25	1924.92	-2.22	2.22 S	9.96 E	10.21	102.55	0.66	0.48	17.48
	1950.00	1.48	141.12	25	1949.91	-2.70	2.70 S	10.41 E	10.75	104.55	0.79	-0.20	29.20
	1975.00	1.51	129.56	25	1974.90	-3.16	3.16 S	10.86 E	11.31	106.23	1.21	0.12	-46.24
	2000.00	1.65	126.50	25	1999.89	-3.59	3.59 S	11.41 E	11.96	107.45	0.65	0.56	-12.24
	2025.00	1.84	122.17	25	2024.88	-4.01	4.01 S	12.04 E	12.69	108.44	0.92	0.76	-17.32
	2050.00	2.03	121.37	25	2049.87	-4.46	4.46 S	12.75 E	13.51	109.26	0.77	0.76	-3.20
	2075.00	1.94	125.04	25	2074.85	-4.93	4.93 S	13.48 E	14.35	110.09	0.62	-0.36	14.68
	2100.00	2.03	122.23	25	2099.84	-5.41	5.41 S	14.20 E	15.19	110.86	0.53	0.36	-11.24
	2125.00	2.12	122.13	25	2124.82	-5.89	5.89 S	14.96 E	16.08	111.49	0.36	0.36	-0.40
	2150.00	2.13	121.33	25	2149.80	-6.38	6.38 S	15.75 E	17.00	112.05	0.13	0.04	-3.20
	2175.00	2.04	126.31	25	2174.79	-6.88	6.88 S	16.51 E	17.89	112.64	0.81	-0.36	19.92
	2200.00	2.05	123.39	25	2199.77	-7.39	7.39 S	17.24 E	18.76	113.21	0.42	0.04	-11.68
	2225.00	2.02	120.48	25	2224.76	-7.86	7.86 S	17.99 E	19.64	113.61	0.43	-0.12	-11.64
	2250.00	2.01	118.39	25	2249.74	-8.30	8.30 S	18.76 E	20.51	113.86	0.30	-0.04	-8.36
	2275.00	1.92	119.40	25	2274.73	-8.71	8.71 S	19.51 E	21.37	114.06	0.39	-0.36	4.04
	2300.00	2.12	117.33	25	2299.71	-9.13	9.13 S	20.29 E	22.24	114.23	0.85	0.80	-8.28
	2325.00	2.13	117.05	25	2324.69	-9.55	9.55 S	21.11 E	23.17	114.34	0.06	0.04	-1.12
	2350.00	2.02	118.25	25	2349.68	-9.97	9.97 S	21.91 E	24.07	114.47	0.47	-0.44	4.80
	2375.00	1.98	122.71	25	2374.66	-10.41	10.41 S	22.66 E	24.94	114.68	0.64	-0.16	17.84
	2400.00	2.03	122.56	25	2399.65	-10.88	10.88 S	23.40 E	25.81	114.95	0.20	0.20	-0.60
	2425.00	1.83	120.98	25	2424.63	-11.33	11.33 S	24.12 E	26.64	115.16	0.83	-0.80	-6.32
	2450.00	1.77	122.32	25	2449.62	-11.74	11.74 S	24.78 E	27.42	115.35	0.29	-0.24	5.36
	2475.00	1.68	123.43	25	2474.61	-12.15	12.15 S	25.42 E	28.17	115.55	0.38	-0.36	4.44



Company:	Legacy Reserves
Well:	Guitar Estate Com No.1
Location:	Eddy Co., NM
Rig:	Mast Unit

Job Number:	62600
Grid Corr.:	-0.11
Lat:	32.29
Long:	-104.12

Calculation Method: Minimum Curvature
Proposed Azimuth: _____
RKB - MSL in feet: Ground
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	2500.00	1.60	122.73	25	2499.60	-12.54	12.54 S	26.02 E	28.88	115.73	0.33	-0.32	-2.80
	2525.00	1.62	119.77	25	2524.59	-12.90	12.90 S	26.62 E	29.58	115.86	0.34	0.08	-11.84
	2550.00	1.73	119.47	25	2549.58	-13.26	13.26 S	27.25 E	30.31	115.95	0.44	0.44	-1.20
	2575.00	1.66	119.92	25	2574.57	-13.63	13.63 S	27.89 E	31.05	116.04	0.29	-0.28	1.80
	2600.00	1.69	118.27	25	2599.56	-13.99	13.99 S	28.53 E	31.78	116.11	0.23	0.12	-6.60
	2625.00	1.82	120.28	25	2624.54	-14.36	14.36 S	29.20 E	32.54	116.19	0.58	0.52	-8.04
	2650.00	1.83	126.11	25	2649.53	-14.80	14.80 S	29.86 E	33.33	116.36	0.74	0.04	23.32
	2675.00	1.73	123.76	25	2674.52	-15.24	15.24 S	30.50 E	34.10	116.55	0.50	-0.40	-9.40
	2700.00	1.64	124.39	25	2699.51	-15.65	15.65 S	31.11 E	34.83	116.71	0.37	-0.36	2.52
	2725.00	1.62	122.75	25	2724.50	-16.05	16.05 S	31.70 E	35.53	116.85	0.20	-0.08	-6.56
	2750.00	1.71	125.18	25	2749.49	-16.45	16.45 S	32.30 E	36.25	116.99	0.46	0.36	9.72
	2775.00	1.87	125.36	25	2774.48	-16.90	16.90 S	32.94 E	37.03	117.16	0.64	0.64	0.72
	2800.00	1.84	122.78	25	2799.46	-17.36	17.36 S	33.61 E	37.83	117.31	0.35	-0.12	-10.32
	2825.00	1.64	127.26	25	2824.45	-17.79	17.79 S	34.23 E	38.58	117.46	0.97	-0.80	17.92
	2850.00	1.58	125.93	25	2849.44	-18.21	18.21 S	34.80 E	39.27	117.62	0.28	-0.24	-5.32
	2875.00	1.62	117.48	25	2874.43	-18.57	18.57 S	35.39 E	39.97	117.69	0.96	0.16	-33.80
	2900.00	1.67	119.68	25	2899.42	-18.92	18.92 S	36.02 E	40.69	117.71	0.32	0.20	8.80
	2925.00	1.67	118.70	25	2924.41	-19.27	19.27 S	36.66 E	41.41	117.73	0.11	0.00	-3.92
	2950.00	1.69	120.28	25	2949.40	-19.63	19.63 S	37.29 E	42.15	117.77	0.20	0.08	6.32
	2975.00	1.63	121.04	25	2974.39	-20.00	20.00 S	37.92 E	42.87	117.81	0.26	-0.24	3.04
	3000.00	1.71	120.04	25	2999.38	-20.37	20.37 S	38.55 E	43.60	117.86	0.34	0.32	-4.00
	3025.00	1.59	123.80	25	3024.37	-20.75	20.75 S	39.16 E	44.32	117.92	0.65	-0.48	15.04
	3050.00	1.60	123.16	25	3049.36	-21.14	21.14 S	39.74 E	45.01	118.01	0.08	0.04	-2.56
	3075.00	1.55	123.05	25	3074.35	-21.51	21.51 S	40.31 E	45.69	118.09	0.20	-0.20	-0.44
	3100.00	1.47	122.71	25	3099.34	-21.87	21.87 S	40.87 E	46.35	118.15	0.32	-0.32	-1.36
	3125.00	1.57	117.28	25	3124.33	-22.20	22.20 S	41.44 E	47.01	118.18	0.70	0.40	-21.72
	3150.00	1.72	130.62	25	3149.32	-22.60	22.60 S	42.03 E	47.72	118.27	1.64	0.60	53.36
	3175.00	1.64	122.23	25	3174.31	-23.04	23.04 S	42.62 E	48.44	118.39	1.03	-0.32	-33.56

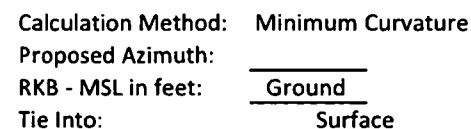


Company: Legacy Reserves
 Well: Guitar Estate Com No.1
 Location: Eddy Co., NM
 Rig: Mast Unit

Job Number: 62600
 Grid Corr.: -0.11
 Lat: 32.29
 Long: -104.12

Calculation Method: Minimum Curvature
 Proposed Azimuth:
 RKB - MSL in feet: Ground
 Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	3325.00	1.44	122.63	25	3324.26	-24.98	24.98 S	46.02 E	52.36	118.49	0.37	-0.36	-2.68
	3350.00	1.36	121.07	25	3349.25	-25.30	25.30 S	46.54 E	52.97	118.53	0.35	-0.32	-6.24
	3375.00	1.38	122.09	25	3374.25	-25.61	25.61 S	47.05 E	53.57	118.56	0.13	0.08	4.08
	3400.00	1.23	123.37	25	3399.24	-25.92	25.92 S	47.53 E	54.14	118.60	0.61	-0.60	5.12
	3425.00	1.33	118.44	25	3424.23	-26.21	26.21 S	48.01 E	54.70	118.63	0.59	0.40	-19.72
	3450.00	1.26	113.13	25	3449.23	-26.45	26.45 S	48.52 E	55.26	118.60	0.56	-0.28	-21.24
	3475.00	1.36	114.54	25	3474.22	-26.68	26.68 S	49.04 E	55.83	118.55	0.42	0.40	5.64
	3500.00	1.31	112.33	25	3499.21	-26.91	26.91 S	49.57 E	56.41	118.50	0.29	-0.20	-8.84
	3525.00	1.39	115.13	25	3524.21	-27.15	27.15 S	50.11 E	57.00	118.45	0.41	0.32	11.20
	3550.00	1.41	115.75	25	3549.20	-27.41	27.41 S	50.67 E	57.61	118.42	0.10	0.08	2.48
	3575.00	1.31	117.80	25	3574.19	-27.68	27.68 S	51.19 E	58.20	118.40	0.44	-0.40	8.20
	3600.00	1.29	119.11	25	3599.18	-27.95	27.95 S	51.69 E	58.77	118.40	0.14	-0.08	5.24
	3625.00	1.32	117.65	25	3624.18	-28.22	28.22 S	52.19 E	59.34	118.40	0.18	0.12	-5.84
	3650.00	1.27	118.78	25	3649.17	-28.49	28.49 S	52.69 E	59.90	118.40	0.22	-0.20	4.52
	3675.00	1.28	117.00	25	3674.17	-28.75	28.75 S	53.18 E	60.46	118.39	0.16	0.04	-7.12
	3700.00	1.13	120.96	25	3699.16	-29.00	29.00 S	53.64 E	60.98	118.40	0.69	-0.60	15.84
	3725.00	1.29	120.11	25	3724.15	-29.27	29.27 S	54.10 E	61.51	118.42	0.64	0.64	-3.40
	3750.00	1.15	118.54	25	3749.15	-29.53	29.53 S	54.56 E	62.04	118.42	0.58	-0.56	-6.28
	3775.00	1.20	108.11	25	3774.14	-29.73	29.73 S	55.03 E	62.55	118.38	0.88	0.20	-41.72
	3800.00	1.24	118.67	25	3799.14	-29.94	29.94 S	55.52 E	63.08	118.34	0.91	0.16	42.24
	3825.00	1.21	132.52	25	3824.13	-30.25	30.25 S	55.95 E	63.61	118.40	1.19	-0.12	55.40
	3850.00	1.22	131.72	25	3849.13	-30.61	30.61 S	56.34 E	64.12	118.51	0.08	0.04	-3.20
	3875.00	1.14	128.01	25	3874.12	-30.94	30.94 S	56.74 E	64.62	118.60	0.44	-0.32	-14.84
	3900.00	1.15	124.46	25	3899.12	-31.23	31.23 S	57.14 E	65.12	118.66	0.29	0.04	-14.20
	3925.00	1.13	122.44	25	3924.11	-31.51	31.51 S	57.56 E	65.62	118.70	0.18	-0.08	-8.08
	3950.00	1.16	122.75	25	3949.11	-31.78	31.78 S	57.98 E	66.11	118.73	0.12	0.12	1.24
	3975.00	1.32	125.14	25	3974.10	-32.08	32.08 S	58.42 E	66.65	118.77	0.67	0.64	9.56
	4000.00	1.20	133.71	25	3999.09	-32.43	32.43 S	58.85 E	67.19	118.85	0.89	-0.48	34.28
	4025.00	1.24	128.81	25	4024.09	-32.78	32.78 S	59.25 E	67.71	118.95	0.45	0.16	-19.60
	4050.00	1.15	128.89	25	4049.08	-33.10	33.10 S	59.66 E	68.22	119.03	0.36	-0.36	0.32
	4075.00	1.07	126.73	25	4074.08	-33.40	33.40 S	60.04 E	68.70	119.09	0.36	-0.32	-8.64
	4100.00	1.15	123.55	25	4099.07	-33.68	33.68 S	60.43 E	69.18	119.13	0.40	0.32	-12.72
	4125.00	1.24	123.60	25	4124.07	-33.97	33.97 S	60.87 E	69.70	119.16	0.36	0.36	0.20





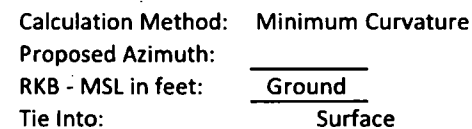
PHOENIX
TECHNOLOGY SERVICES

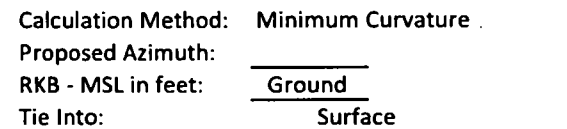
Company: Legacy Reserves
Well: Guitar Estate Com No.1
Location: Eddy Co., NM
Rig: Mast Unit

Job Number: 62600
Grid Corr.: -0.11
Lat: 32.29
Long: -104.12

Calculation Method: Minimum Curvature
Proposed Azimuth: _____
RKB - MSL in feet: Ground
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclina- tion (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	4975.00	0.82	129.39	25	4973.93	-42.71	42.71 S	72.91 E	84.50	120.36	0.14	-0.12	4.32
	5000.00	0.78	126.62	25	4998.93	-42.93	42.93 S	73.18 E	84.85	120.39	0.22	-0.16	-11.08
	5025.00	0.81	120.82	25	5023.93	-43.12	43.12 S	73.47 E	85.19	120.41	0.34	0.12	-23.20
	5050.00	0.86	123.55	25	5048.93	-43.31	43.31 S	73.78 E	85.56	120.41	0.26	0.20	10.92
	5075.00	0.91	128.68	25	5073.92	-43.54	43.54 S	74.09 E	85.94	120.44	0.37	0.20	20.52
	5100.00	0.87	123.56	25	5098.92	-43.77	43.77 S	74.41 E	86.33	120.47	0.36	-0.16	-20.48
	5125.00	0.83	127.50	25	5123.92	-43.98	43.98 S	74.71 E	86.69	120.49	0.28	-0.16	15.76
	5150.00	0.80	137.95	25	5148.92	-44.22	44.22 S	74.97 E	87.04	120.54	0.61	-0.12	41.80
	5175.00	0.90	139.70	25	5173.91	-44.50	44.50 S	75.21 E	87.39	120.61	0.41	0.40	7.00
	5200.00	0.78	143.70	25	5198.91	-44.79	44.79 S	75.44 E	87.73	120.70	0.53	-0.48	16.00
	5225.00	0.86	137.98	25	5223.91	-45.07	45.07 S	75.67 E	88.07	120.78	0.46	0.32	-22.88
	5250.00	0.77	142.12	25	5248.91	-45.34	45.34 S	75.89 E	88.41	120.85	0.43	-0.36	16.56
	5275.00	0.92	134.70	25	5273.90	-45.61	45.61 S	76.14 E	88.76	120.92	0.74	0.60	-29.68
	5300.00	0.95	140.45	25	5298.90	-45.91	45.91 S	76.42 E	89.15	121.00	0.39	0.12	23.00
	5325.00	0.94	143.16	25	5323.90	-46.24	46.24 S	76.67 E	89.53	121.09	0.18	-0.04	10.84
	5350.00	0.84	148.40	25	5348.89	-46.56	46.56 S	76.89 E	89.89	121.20	0.52	-0.40	20.96
	5375.00	0.80	145.36	25	5373.89	-46.86	46.86 S	77.08 E	90.21	121.29	0.24	-0.16	-12.16
	5400.00	0.87	149.00	25	5398.89	-47.16	47.16 S	77.28 E	90.54	121.40	0.35	0.28	14.56
	5425.00	0.96	139.66	25	5423.88	-47.49	47.49 S	77.51 E	90.90	121.49	0.70	0.36	-37.36
	5450.00	0.99	139.19	25	5448.88	-47.81	47.81 S	77.79 E	91.31	121.57	0.12	0.12	-1.88
	5475.00	0.99	142.02	25	5473.88	-48.14	48.14 S	78.07 E	91.72	121.66	0.20	0.00	11.32
	5500.00	1.05	141.74	25	5498.87	-48.49	48.49 S	78.34 E	92.13	121.76	0.24	0.24	-1.12
	5525.00	1.00	145.53	25	5523.87	-48.85	48.85 S	78.61 E	92.55	121.86	0.34	-0.20	15.16
	5550.00	1.05	149.19	25	5548.86	-49.23	49.23 S	78.85 E	92.95	121.98	0.33	0.20	14.64
	5575.00	1.06	149.08	25	5573.86	-49.62	49.62 S	79.08 E	93.36	122.11	0.04	0.04	-0.44
	5600.00	1.05	149.66	25	5598.86	-50.02	50.02 S	79.32 E	93.77	122.24	0.06	-0.04	2.32
	5625.00	1.03	149.16	25	5623.85	-50.41	50.41 S	79.55 E	94.18	122.36	0.09	-0.08	-2.00
	5650.00	1.01	149.52	25	5648.85	-50.79	50.79 S	79.77 E	94.57	122.49	0.08	-0.08	1.44
	5675.00	0.98	147.24	25	5673.84	-51.16	51.16 S	80.00 E	94.96	122.60	0.20	-0.12	-9.12
	5700.00	0.97	154.24	25	5698.84	-51.53	51.53 S	80.21 E	95.34	122.72	0.48	-0.04	28.00
	5725.00	1.03	150.42	25	5723.84	-51.92	51.92 S	80.41 E	95.72	122.85	0.36	0.24	-15.28
	5750.00	0.99	151.76	25	5748.83	-52.31	52.31 S	80.63 E	96.11	122.97	0.19	-0.16	5.36
	5775.00	0.97	154.49	25	5773.83	-52.69	52.69 S	80.82 E	96.48	123.10	0.20	-0.08	10.92





PHOENIX
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Company:	Legacy Reserves
Well:	Guitar Estate Com No.1
Location:	Eddy Co., NM
Rig:	Mast Unit

Job Number:	<u>62600</u>
Grid Corr.:	<u>-0.11</u>
Lat:	<u>32.29</u>
Long:	<u>-104.12</u>

Calculation Method: Minimum Curvature
Proposed Azimuth: _____
RKB - MSL in feet: Ground
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclina- tion (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	8275.00	1.77	229.71	25	8272.39	-98.29	98.29 S	23.90 E	101.15	166.33	1.04	-0.96	-12.00
	8300.00	1.88	222.42	25	8297.38	-98.84	98.84 S	23.33 E	101.55	166.72	1.03	0.44	-29.16
	8325.00	1.85	220.99	25	8322.36	-99.45	99.45 S	22.78 E	102.02	167.10	0.22	-0.12	-5.72
	8350.00	1.95	218.43	25	8347.35	-100.08	100.08 S	22.26 E	102.53	167.46	0.52	0.40	-10.24
	8375.00	1.82	220.10	25	8372.34	-100.72	100.72 S	21.74 E	103.04	167.82	0.56	-0.52	6.68
	8400.00	1.65	218.44	25	8397.33	-101.31	101.31 S	21.26 E	103.51	168.15	0.71	-0.68	-6.64
	8425.00	1.55	220.47	25	8422.32	-101.85	101.85 S	20.81 E	103.95	168.45	0.46	-0.40	8.12
	8450.00	1.55	214.52	25	8447.31	-102.38	102.38 S	20.40 E	104.39	168.73	0.64	0.00	-23.80
	8475.00	1.50	211.50	25	8472.30	-102.94	102.94 S	20.04 E	104.87	168.98	0.38	-0.20	-12.08
	8500.00	1.44	220.81	25	8497.29	-103.46	103.46 S	19.66 E	105.31	169.24	0.98	-0.24	37.24
	8525.00	1.47	214.59	25	8522.28	-103.96	103.96 S	19.28 E	105.73	169.50	0.64	0.12	-24.88
	8550.00	1.48	214.92	25	8547.27	-104.49	104.49 S	18.91 E	106.18	169.74	0.05	0.04	1.32
	8575.00	1.45	222.07	25	8572.27	-104.99	104.99 S	18.51 E	106.60	170.00	0.74	-0.12	28.60
	8600.00	1.30	213.95	25	8597.26	-105.46	105.46 S	18.14 E	107.00	170.24	0.98	-0.60	-32.48
	8625.00	1.38	217.96	25	8622.25	-105.93	105.93 S	17.80 E	107.41	170.46	0.49	0.32	16.04
	8650.00	1.44	219.71	25	8647.24	-106.41	106.41 S	17.41 E	107.82	170.71	0.30	0.24	7.00
	8675.00	1.54	215.01	25	8672.24	-106.92	106.92 S	17.02 E	108.27	170.96	0.63	0.40	-18.80
	8700.00	1.61	220.45	25	8697.23	-107.47	107.47 S	16.60 E	108.74	171.22	0.66	0.28	21.76
	8725.00	1.46	221.53	25	8722.22	-107.97	107.97 S	16.16 E	109.17	171.49	0.61	-0.60	4.32
	8750.00	1.39	221.76	25	8747.21	-108.44	108.44 S	15.75 E	109.57	171.74	0.28	-0.28	0.92
	8775.00	1.42	220.35	25	8772.20	-108.90	108.90 S	15.34 E	109.97	171.98	0.18	0.12	-5.64
	8800.00	1.36	204.71	25	8797.19	-109.40	109.40 S	15.02 E	110.43	172.18	1.53	-0.24	-62.56
	8825.00	1.40	214.79	25	8822.19	-109.92	109.92 S	14.72 E	110.91	172.37	0.98	0.16	40.32
	8850.00	1.42	212.53	25	8847.18	-110.44	110.44 S	14.38 E	111.37	172.58	0.24	0.08	-9.04
	8875.00	1.53	213.09	25	8872.17	-110.98	110.98 S	14.03 E	111.86	172.79	0.44	0.44	2.24
	8900.00	1.55	210.06	25	8897.16	-111.55	111.55 S	13.68 E	112.39	173.01	0.34	0.08	-12.12
	8925.00	1.67	213.12	25	8922.15	-112.15	112.15 S	13.31 E	112.93	173.23	0.59	0.48	12.24
	8950.00	1.59	215.48	25	8947.14	-112.74	112.74 S	12.91 E	113.47	173.47	0.42	-0.32	9.44
	8975.00	1.69	217.00	25	8972.13	-113.31	113.31 S	12.49 E	114.00	173.71	0.44	0.40	6.08
	9000.00	1.67	214.97	25	8997.12	-113.90	113.90 S	12.06 E	114.54	173.96	0.25	-0.08	-8.12
	9025.00	1.71	215.73	25	9022.11	-114.51	114.51 S	11.63 E	115.10	174.20	0.18	0.16	3.04
	9050.00	1.73	217.34	25	9047.10	-115.11	115.11 S	11.18 E	115.65	174.45	0.21	0.08	6.44
	9075.00	1.64	208.85	25	9072.09	-115.72	115.72 S	10.78 E	116.22	174.68	1.06	-0.36	-33.96



Company: Legacy Reserves
Well: Guitar Estate Com No.1
Location: Eddy Co., NM
Rig: Mast Unit

Job Number: 62600
Grid Corr.: -0.11
Lat: 32.29
Long: -104.12

Calculation Method: Minimum Curvature
Proposed Azimuth:
RKB - MSL in feet: Ground
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclina- tion (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	9100.00	1.52	217.82	25	9097.08	-116.30	116.30 S	10.41 E	116.76	174.89	1.10	-0.48	35.88
	9125.00	1.49	219.40	25	9122.07	-116.81	116.81 S	10.00 E	117.24	175.11	0.20	-0.12	6.32
	9150.00	1.48	213.96	25	9147.06	-117.33	117.33 S	9.61 E	117.72	175.32	0.57	-0.04	-21.76
	9175.00	1.50	221.86	25	9172.05	-117.84	117.84 S	9.21 E	118.20	175.53	0.82	0.08	31.60
	9200.00	1.56	213.03	25	9197.04	-118.37	118.37 S	8.81 E	118.70	175.74	0.97	0.24	-35.32
	9225.00	1.43	220.24	25	9222.04	-118.89	118.89 S	8.42 E	119.19	175.95	0.91	-0.52	28.84
	9250.00	1.27	225.51	25	9247.03	-119.33	119.33 S	8.02 E	119.60	176.15	0.81	-0.64	21.08
	9275.00	1.25	216.37	25	9272.02	-119.74	119.74 S	7.66 E	119.98	176.34	0.81	-0.08	-36.56
	9300.00	1.24	210.76	25	9297.02	-120.19	120.19 S	7.36 E	120.42	176.50	0.49	-0.04	-22.44
	9325.00	1.19	212.32	25	9322.01	-120.64	120.64 S	7.08 E	120.85	176.64	0.24	-0.20	6.24
	9350.00	1.28	217.49	25	9347.01	-121.08	121.08 S	6.78 E	121.27	176.80	0.57	0.36	20.68
	9375.00	1.26	219.32	25	9372.00	-121.52	121.52 S	6.43 E	121.69	176.97	0.18	-0.08	7.32
	9400.00	1.18	218.36	25	9396.99	-121.93	121.93 S	6.10 E	122.09	177.14	0.33	-0.32	-3.84
	9425.00	1.20	218.55	25	9421.99	-122.34	122.34 S	5.77 E	122.48	177.30	0.08	0.08	0.76
	9450.00	1.17	226.51	25	9446.98	-122.72	122.72 S	5.43 E	122.84	177.47	0.67	-0.12	31.84
	9475.00	1.11	228.27	25	9471.98	-123.06	123.06 S	5.06 E	123.16	177.65	0.28	-0.24	7.04
	9500.00	1.08	241.66	25	9496.97	-123.33	123.33 S	4.67 E	123.42	177.83	1.03	-0.12	53.56
	9525.00	1.07	248.86	25	9521.97	-123.53	123.53 S	4.25 E	123.60	178.03	0.54	-0.04	28.80
	9550.00	1.11	252.27	25	9546.96	-123.68	123.68 S	3.80 E	123.74	178.24	0.30	0.16	13.64
	9575.00	1.06	249.68	25	9571.96	-123.84	123.84 S	3.35 E	123.88	178.45	0.28	-0.20	-10.36
	9600.00	1.07	263.02	25	9596.96	-123.95	123.95 S	2.90 E	123.98	178.66	0.99	0.04	53.36
	9625.00	1.13	268.69	25	9621.95	-123.98	123.98 S	2.42 E	124.00	178.88	0.50	0.24	22.68
	9650.00	1.08	268.63	25	9646.95	-123.99	123.99 S	1.94 E	124.01	179.10	0.20	-0.20	-0.24
	9675.00	1.11	274.48	25	9671.94	-123.98	123.98 S	1.47 E	123.99	179.32	0.46	0.12	23.40
	9700.00	1.23	280.60	25	9696.94	-123.91	123.91 S	0.96 E	123.91	179.56	0.69	0.48	24.48
	9725.00	1.08	270.82	25	9721.93	-123.86	123.86 S	0.46 E	123.86	179.79	0.99	-0.60	-39.12
	9750.00	1.14	276.17	25	9746.93	-123.83	123.83 S	0.02 W	123.83	180.01	0.48	0.24	21.40
	9775.00	1.21	280.49	25	9771.92	-123.75	123.75 S	0.53 W	123.75	180.24	0.45	0.28	17.28
	9800.00	1.31	275.57	25	9796.92	-123.68	123.68 S	1.07 W	123.68	180.50	0.59	0.40	-19.68
	9825.00	1.47	277.94	25	9821.91	-123.60	123.60 S	1.67 W	123.62	180.78	0.68	0.64	9.48
	9850.00	1.43	279.69	25	9846.90	-123.51	123.51 S	2.30 W	123.53	181.07	0.24	-0.16	7.00
	9875.00	1.42	277.90	25	9871.89	-123.41	123.41 S	2.91 W	123.45	181.35	0.18	-0.04	-7.16
	9900.00	1.51	274.36	25	9896.88	-123.35	123.35 S	3.55 W	123.40	181.65	0.51	0.36	-14.16



Company: Legacy Reserves
Well: Guitar Estate Com No.1
Location: Eddy Co., NM
Rig: Mast Unit

Job Number:	62600
Grid Corr.:	-0.11
Lat:	32.29
Long:	-104.12

Calculation Method: Minimum Curvature
Proposed Azimuth: _____
RKB - MSL in feet: Ground
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	9925.00	1.50	278.63	25	9921.88	-123.27	123.27 S	4.20 W	123.34	181.95	0.45	-0.04	17.08
	9950.00	1.52	277.67	25	9946.87	-123.18	123.18 S	4.85 W	123.27	182.26	0.13	0.08	-3.84
	9975.00	1.63	272.28	25	9971.86	-123.12	123.12 S	5.54 W	123.24	182.57	0.74	0.44	-21.56
	10000.00	1.61	275.35	25	9996.85	-123.07	123.07 S	6.24 W	123.23	182.90	0.36	-0.08	12.28
	10025.00	1.57	274.58	25	10021.84	-123.01	123.01 S	6.93 W	123.21	183.23	0.18	-0.16	-3.08
	10050.00	1.62	274.14	25	10046.83	-122.96	122.96 S	7.63 W	123.20	183.55	0.21	0.20	-1.76
	10075.00	1.62	279.35	25	10071.82	-122.88	122.88 S	8.33 W	123.16	183.88	0.59	0.00	20.84
	10100.00	1.54	274.95	25	10096.81	-122.79	122.79 S	9.01 W	123.12	184.20	0.58	-0.32	-17.60
	10125.00	1.56	277.50	25	10121.80	-122.72	122.72 S	9.68 W	123.10	184.51	0.29	0.08	10.20
	10150.00	1.46	275.20	25	10146.79	-122.64	122.64 S	10.34 W	123.08	184.82	0.47	-0.40	-9.20
	10175.00	1.47	279.32	25	10171.78	-122.56	122.56 S	10.97 W	123.05	185.12	0.42	0.04	16.48
	10200.00	1.37	283.85	25	10196.78	-122.44	122.44 S	11.58 W	122.99	185.40	0.60	-0.40	18.12
	10225.00	1.29	295.46	25	10221.77	-122.25	122.25 S	12.12 W	122.85	185.66	1.12	-0.32	46.44
	10250.00	1.12	300.49	25	10246.76	-122.00	122.00 S	12.59 W	122.65	185.89	0.80	-0.68	20.12
	10275.00	1.03	309.29	25	10271.76	-121.74	121.74 S	12.97 W	122.42	186.08	0.75	-0.36	35.20
	10300.00	1.08	326.43	25	10296.75	-121.40	121.40 S	13.28 W	122.12	186.24	1.27	0.20	68.56
	10325.00	0.92	341.25	25	10321.75	-121.01	121.01 S	13.47 W	121.76	186.35	1.21	-0.64	59.28
	10350.00	0.92	348.24	25	10346.75	-120.62	120.62 S	13.58 W	121.39	186.42	0.45	0.00	27.96
	10375.00	0.95	350.56	25	10371.74	-120.22	120.22 S	13.65 W	121.00	186.48	0.19	0.12	9.28
	10400.00	1.17	354.46	25	10396.74	-119.76	119.76 S	13.71 W	120.55	186.53	0.93	0.88	15.60
	10425.00	0.91	349.38	25	10421.74	-119.32	119.32 S	13.77 W	120.11	186.58	1.10	-1.04	-20.32
	10450.00	0.83	346.16	25	10446.73	-118.94	118.94 S	13.85 W	119.75	186.64	0.37	-0.32	-12.88
	10475.00	0.73	345.35	25	10471.73	-118.61	118.61 S	13.93 W	119.43	186.70	0.40	-0.40	-3.24
	10500.00	0.70	349.26	25	10496.73	-118.31	118.31 S	14.00 W	119.14	186.75	0.23	-0.12	15.64
	10525.00	0.67	337.43	25	10521.73	-118.03	118.03 S	14.09 W	118.86	186.81	0.58	-0.12	-47.32
	10550.00	0.68	348.69	25	10546.72	-117.75	117.75 S	14.17 W	118.59	186.86	0.53	0.04	45.04
	10575.00	0.68	348.75	25	10571.72	-117.45	117.45 S	14.23 W	118.31	186.91	0.00	0.00	0.24
	10600.00	0.69	336.07	25	10596.72	-117.17	117.17 S	14.32 W	118.04	186.97	0.61	0.04	-50.72
	10625.00	0.66	345.37	25	10621.72	-116.89	116.89 S	14.42 W	117.78	187.03	0.45	-0.12	37.20
	10650.00	0.72	2.32	25	10646.72	-116.60	116.60 S	14.45 W	117.49	187.06	0.85	0.24	-1372.20
	10675.00	0.66	351.32	25	10671.72	-116.30	116.30 S	14.46 W	117.19	187.09	0.58	-0.24	1396.00
	10700.00	0.63	341.69	25	10696.71	-116.03	116.03 S	14.53 W	116.93	187.14	0.45	-0.12	-38.52
	10725.00	0.66	355.26	25	10721.71	-115.75	115.75 S	14.58 W	116.67	187.18	0.62	0.12	54.28



PHOENIX
TECHNOLOGY SERVICES

Company: Legacy Reserves
Well: Guitar Estate Com No.1
Location: Eddy Co., NM
Rig: Mast Unit

Job Number: 62600
Grid Corr.: -0.11
Lat: 32.29
Long: -104.12

Calculation Method: Minimum Curvature
Proposed Azimuth:
RKB - MSL in feet: Ground
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Angle (deg)			
	10750.00	0.66	353.71	25	10746.71	-115.47	115.47 S	14.61 W	116.39	187.21	0.07	0.00	-6.20
	10775.00	0.57	339.19	25	10771.71	-115.21	115.21 S	14.67 W	116.14	187.26	0.72	-0.36	-58.08
	10800.00	0.72	355.51	25	10796.71	-114.93	114.93 S	14.73 W	115.87	187.30	0.94	0.60	65.28
	10825.00	0.80	345.29	25	10821.71	-114.61	114.61 S	14.78 W	115.56	187.35	0.63	0.32	-40.88
	10850.00	0.79	351.93	25	10846.70	-114.27	114.27 S	14.85 W	115.23	187.41	0.37	-0.04	26.56
	10875.00	0.78	3.71	25	10871.70	-113.93	113.93 S	14.87 W	114.89	187.43	0.65	-0.04	-1392.88
	10900.00	0.60	334.77	25	10896.70	-113.64	113.64 S	14.91 W	114.61	187.48	1.55	-0.72	1324.24
	10925.00	0.56	8.45	25	10921.70	-113.40	113.40 S	14.95 W	114.38	187.51	1.35	-0.16	-1305.28
	10950.00	0.51	4.39	25	10946.70	-113.17	113.17 S	14.92 W	114.15	187.51	0.25	-0.20	-16.24
	10975.00	0.43	355.56	25	10971.70	-112.96	112.96 S	14.92 W	113.95	187.52	0.43	-0.32	1404.68
	11000.00	0.59	344.85	25	10996.70	-112.75	112.75 S	14.96 W	113.73	187.56	0.74	0.64	-42.84
	11025.00	0.40	43.30	25	11021.69	-112.56	112.56 S	14.94 W	113.54	187.56	2.04	-0.76	-1206.20
	11050.00	0.34	47.69	25	11046.69	-112.44	112.44 S	14.82 W	113.42	187.51	0.27	-0.24	17.56
	11075.00	0.38	29.58	25	11071.69	-112.32	112.32 S	14.73 W	113.28	187.47	0.48	0.16	-72.44
	11100.00	0.32	36.26	25	11096.69	-112.19	112.19 S	14.64 W	113.15	187.44	0.29	-0.24	26.72
	11125.00	0.48	32.02	25	11121.69	-112.05	112.05 S	14.55 W	112.99	187.40	0.65	0.64	-16.96
	11127.00	0.32	19.99	2	11123.69	-112.04	112.04 S	14.54 W	112.98	187.39	8.99	-8.00	-601.50

RECEIVED

N. MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

MAY 14 2018

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

DISTRICT II-ARTESIA O.C.D.

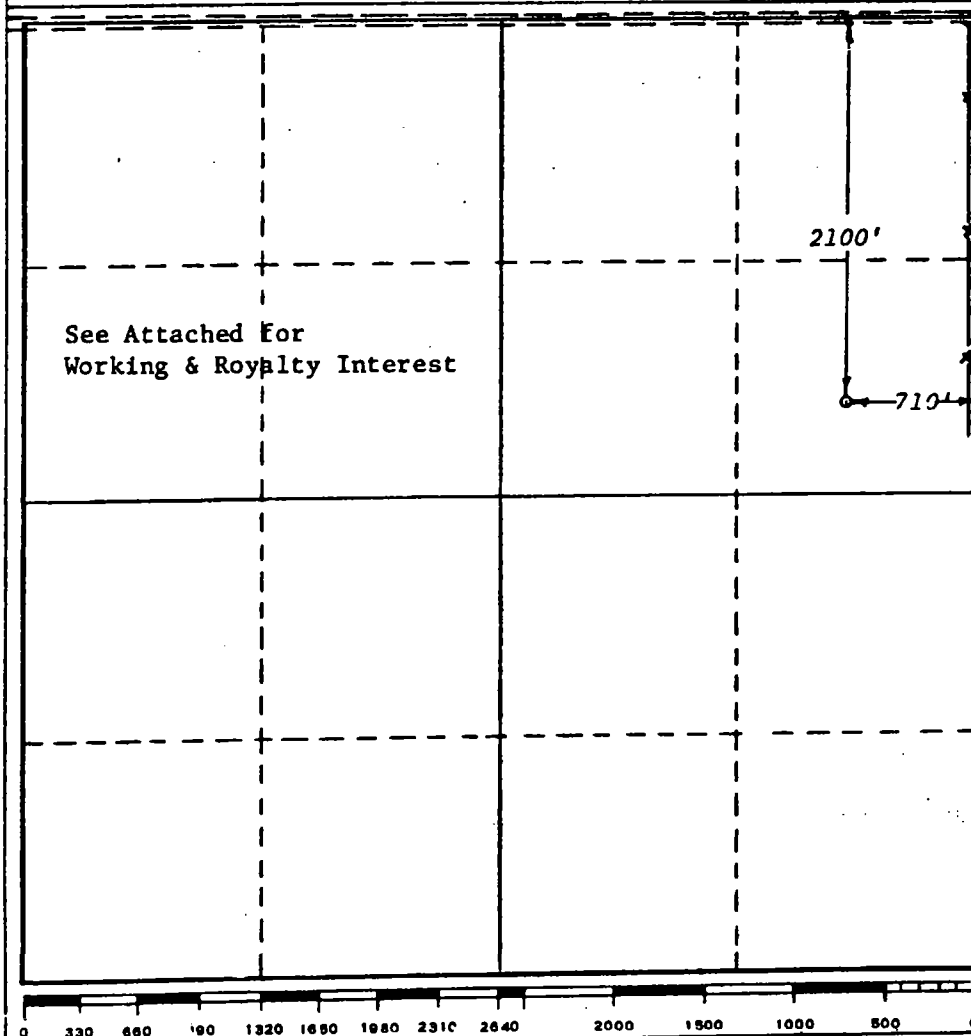
Operator BELCO PETROLEUM COMPANY			Lease Guitar Estate Comm		Well No. 1
Unit Letter H	Section 19	Township 23-S	Range 28-E	County Eddy	
Actual Footage Location of Well: 2100' feet from the North line and 710' feet from the East line					
Ground Level Elev. 3067'	Producing Formation Morrow		Pool Loving Field-Morrow	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Pooled Communitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

M. E. Moore

Name **M. E. Moore**

Position **District Engineer**

Company **Belco Petroleum Corporation**

411 Petroleum Building

Date Midland, Texas 79701
3/5/80

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

February 18, 1980

Date Surveyed

Gary D. Boswell

Registered Professional Engineer
and/or Land Surveyor

Gary D. Boswell

Certificate No.

6689