SURVEY CERTIFICATION FORM

PHOENIX TECHNOLOGY SERVICES

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

Company: Matador Resources

Job #: 1514666

Well Name: Olivine State # 1

County/State: Lea Co., New Mexico

Survey Instrument Type: North Seek Rate Gyro

API # 30-025-41718

TIE-IN 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 (°)
11/28/2015	0	0	0

Last Survey

Date	Depth (ft)	Inclination (°)	Azimuth (°)
11/28/2015	11718.31	4.96	333.72

Projected TD Survey

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

Grid Correction
-0.58

Gyro Operator: Phoenix Technology Services USA Ltd.

Gyro Supervisor: Jaime Stephenson

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

Date: 11-25-15

Print Name: Noe Garza

Signature:

PHOENIX
TECHNOLOGY SERVICES

Company: Matador Resources
Well: Olivine State 05-16S-37E TL #1
Location: Lea Co., New Mexico
Rig: Patterson 309

Job Number: 1514666
Grid Corr.: -0.58
Lat: 32.96
Long: -103.27

Date: 11-28-15
Calculation Method: Minimum Curvature
Proposed Azimuth:
RKB - MSL in feet: 28.5 Feet
Tie Into: Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
Enter Tie-In Survey on Line 10					**FIELD COPY, NON-DEFINITIVE**								
TIE IN	0			0	0	0	0	0					
Gyro	148.62	0.71	283.38	149	148.62	0.21	0.21 N	0.90 W	0.92	283.38	0.48	0.48	190.67
	241.93	0.71	297.08	93	241.92	0.61	0.61 N	1.97 W	2.07	287.18	0.18	0.00	14.68
	335.24	0.73	292.94	93	335.22	1.10	1.10 N	3.04 W	3.23	290.00	0.06	0.02	-4.44
	428.55	0.78	294.16	93	428.52	1.60	1.60 N	4.16 W	4.46	290.99	0.06	0.05	1.31
	521.86	0.64	312.25	93	521.83	2.21	2.21 N	5.13 W	5.58	293.29	0.28	-0.15	19.39
	615.17	0.19	314.04	93	615.13	2.66	2.66 N	5.62 W	6.22	295.35	0.48	-0.48	1.92
	708.47	0.20	306.93	93	708.43	2.87	2.87 N	5.87 W	6.53	296.07	0.03	0.01	-7.62
	801.78	0.25	351.02	93	801.74	3.17	3.17 N	6.03 W	6.81	297.73	0.19	0.05	47.25
	895.08	0.24	319.85	93	895.04	3.52	3.52 N	6.19 W	7.12	299.64	0.14	-0.01	-33.41
	988.38	0.28	329.48	93	988.34	3.87	3.87 N	6.43 W	7.50	301.02	0.06	0.04	10.32
	1081.69	0.27	315.80	93	1081.65	4.22	4.22 N	6.70 W	7.91	302.22	0.07	-0.01	-14.66
	1174.99	0.19	316.06	93	1174.95	4.49	4.49 N	6.96 W	8.28	302.83	0.09	-0.09	0.28
	1268.30	0.25	306.12	93	1268.26	4.72	4.72 N	7.23 W	8.63	303.14	0.08	0.06	-10.65
	1361.60	0.32	320.92	93	1361.56	5.04	5.04 N	7.56 W	9.08	303.71	0.11	0.08	15.86
	1454.90	0.53	313.34	93	1454.85	5.54	5.54 N	8.04 W	9.76	304.59	0.23	0.23	-8.12
	1548.21	0.58	309.02	93	1548.16	6.13	6.13 N	8.72 W	10.66	305.14	0.07	0.05	-4.63
	1641.51	0.42	293.04	93	1641.46	6.57	6.57 N	9.40 W	11.46	304.94	0.23	-0.17	-17.13
	1734.81	0.41	304.87	93	1734.75	6.89	6.89 N	9.99 W	12.13	304.60	0.09	-0.01	12.68
	1828.12	0.31	293.34	93	1828.06	7.18	7.18 N	10.49 W	12.71	304.39	0.13	-0.11	-12.36
	1921.42	0.26	281.70	93	1921.36	7.32	7.32 N	10.93 W	13.16	303.82	0.08	-0.05	-12.48
	2014.73	0.31	312.28	93	2014.67	7.54	7.54 N	11.33 W	13.60	303.64	0.17	0.05	32.77
	2108.03	0.34	315.60	93	2107.97	7.90	7.90 N	11.71 W	14.12	304.03	0.04	0.03	3.56
	2201.33	0.08	314.56	93	2201.27	8.15	8.15 N	11.95 W	14.46	304.30	0.28	-0.28	-1.11
	2294.64	0.16	167.57	93	2294.58	8.07	8.07 N	11.96 W	14.43	303.99	0.25	0.09	-157.53
	2387.94	0.67	165.38	93	2387.87	7.41	7.41 N	11.80 W	13.93	302.13	0.55	0.55	-2.35
	2481.24	1.34	160.55	93	2481.16	5.85	5.85 N	11.30 W	12.72	297.39	0.72	0.72	-5.18
	2574.55	1.50	161.42	93	2574.44	3.67	3.67 N	10.54 W	11.16	289.18	0.17	0.17	0.93

PHOENIX
TECHNOLOGY SERVICES

Company:	Matador Resources	Job Number:	1514666	Calculation Method:	Minimum Curvature
Well:	Olivine State 05-16S-37E TL #1	Grid Corr.:	-0.58	Proposed Azimuth:	
Location:	Lea Co., New Mexico	Lat:	32.96	RKB - MSL in feet:	28.5 Feet
Rig:	Patterson 309	Long:	-103.27	Tie Into:	Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	2667.85	1.48	161.10	93	2667.71	1.37	1.37 N	9.77 W	9.86	277.99	0.02	-0.02	-0.34
	2761.16	1.44	158.10	93	2760.99	-0.86	0.86 S	8.94 W	8.98	264.52	0.09	-0.04	-3.22
	2854.46	1.40	155.15	93	2854.26	-2.98	2.98 S	8.02 W	8.56	249.62	0.09	-0.04	-3.16
	2947.76	1.40	158.23	93	2947.53	-5.07	5.07 S	7.12 W	8.74	234.53	0.08	0.00	3.30
	3041.07	1.36	155.26	93	3040.82	-7.14	7.14 S	6.23 W	9.48	221.14	0.09	-0.04	-3.18
	3134.37	1.26	153.29	93	3134.09	-9.06	9.06 S	5.31 W	10.50	210.38	0.12	-0.11	-2.11
	3227.67	0.95	152.84	93	3227.37	-10.66	10.66 S	4.50 W	11.57	202.86	0.33	-0.33	-0.48
	3320.98	0.89	141.60	93	3320.67	-11.92	11.92 S	3.69 W	12.48	197.21	0.20	-0.06	-12.05
	3414.28	1.18	130.40	93	3413.96	-13.11	13.11 S	2.51 W	13.35	190.84	0.38	0.31	-12.00
	3507.58	1.22	128.68	93	3507.24	-14.35	14.35 S	1.00 W	14.39	184.00	0.06	0.04	-1.84
	3600.89	1.41	131.65	93	3600.52	-15.74	15.74 S	0.63 E	15.75	177.71	0.22	0.20	3.18
	3694.19	1.59	134.86	93	3693.79	-17.41	17.41 S	2.41 E	17.58	172.14	0.21	0.19	3.44
	3787.50	1.38	134.39	93	3787.07	-19.11	19.11 S	4.13 E	19.55	167.82	0.23	-0.23	-0.50
	3880.80	1.20	143.92	93	3880.34	-20.69	20.69 S	5.50 E	21.41	165.10	0.30	-0.19	10.21
	3974.10	1.40	163.15	93	3973.62	-22.57	22.57 S	6.41 E	23.46	164.14	0.51	0.21	20.61
	4067.41	1.27	179.07	93	4066.91	-24.69	24.69 S	6.76 E	25.60	164.70	0.42	-0.14	17.06
	4160.71	0.96	181.37	93	4160.19	-26.51	26.51 S	6.76 E	27.35	165.70	0.34	-0.33	2.47
	4254.01	0.42	177.49	93	4253.48	-27.63	27.63 S	6.75 E	28.44	166.27	0.58	-0.58	-4.16
	4347.32	0.50	120.87	93	4346.79	-28.18	28.18 S	7.12 E	29.07	165.83	0.47	0.09	-60.68
	4440.62	0.87	120.45	93	4440.08	-28.75	28.75 S	8.08 E	29.86	164.31	0.40	0.40	-0.45
	4533.93	1.28	123.17	93	4533.37	-29.68	29.68 S	9.56 E	31.18	162.15	0.44	0.44	2.92
	4627.23	0.92	105.28	93	4626.66	-30.45	30.45 S	11.15 E	32.42	159.88	0.53	-0.39	-19.17
	4720.53	0.69	95.44	93	4719.95	-30.70	30.70 S	12.44 E	33.12	157.95	0.29	-0.25	-10.55
	4813.84	0.65	75.27	93	4813.25	-30.62	30.62 S	13.51 E	33.46	156.19	0.25	-0.04	-21.62
	4907.14	0.53	49.20	93	4906.55	-30.20	30.20 S	14.35 E	33.43	154.59	0.31	-0.13	-27.94
	5000.44	0.74	75.76	93	4999.84	-29.77	29.77 S	15.26 E	33.45	152.87	0.38	0.23	28.47
	5093.75	0.56	153.91	93	5093.15	-30.03	30.03 S	16.04 E	34.05	151.89	0.89	-0.19	83.75
	5187.05	0.83	181.11	93	5186.44	-31.11	31.11 S	16.23 E	35.09	152.46	0.45	0.29	29.15
	5280.35	1.64	178.33	93	5279.72	-33.13	33.13 S	16.25 E	36.90	153.86	0.87	0.87	-2.98
	5373.66	2.54	185.86	93	5372.96	-36.52	36.52 S	16.08 E	39.90	156.23	1.01	0.96	8.07

PHOENIX
TECHNOLOGY SERVICES

Company:	Matador Resources	Job Number:	1514666	Calculation Method:	Minimum Curvature
Well:	Olivine State 05-16S-37E TL #1	Grid Corr.:	-0.58	Proposed Azimuth:	
Location:	Lea Co., New Mexico	Lat:	32.96	RKB - MSL in feet:	28.5 Feet
Rig:	Patterson 309	Long:	-103.27	Tie Into:	Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	5466.96	2.32	189.82	93	5466.18	-40.43	40.43 S	15.55 E	43.32	158.97	0.30	-0.24	4.24
	5560.27	1.96	186.66	93	5559.43	-43.88	43.88 S	15.04 E	46.39	161.08	0.41	-0.39	-3.39
	5653.57	1.81	187.54	93	5652.68	-46.93	46.93 S	14.66 E	49.16	162.65	0.16	-0.16	0.94
	5746.87	1.49	191.51	93	5745.94	-49.57	49.57 S	14.23 E	51.58	163.99	0.36	-0.34	4.26
	5840.18	1.25	191.98	93	5839.22	-51.76	51.76 S	13.77 E	53.56	165.10	0.26	-0.26	0.50
	5933.48	1.17	192.66	93	5932.50	-53.68	53.68 S	13.35 E	55.32	166.03	0.09	-0.09	0.73
	6026.78	1.17	196.31	93	6025.78	-55.53	55.53 S	12.88 E	57.00	166.94	0.08	0.00	3.91
	6120.09	1.11	200.15	93	6119.07	-57.29	57.29 S	12.30 E	58.60	167.88	0.10	-0.06	4.12
	6213.39	1.11	205.97	93	6212.35	-58.95	58.95 S	11.59 E	60.08	168.88	0.12	0.00	6.24
	6306.70	1.13	203.02	93	6305.65	-60.61	60.61 S	10.84 E	61.57	169.86	0.07	0.02	-3.16
	6400.00	1.07	192.25	93	6398.93	-62.31	62.31 S	10.29 E	63.15	170.62	0.23	-0.06	-11.54
	6493.30	0.97	147.96	93	6492.21	-63.83	63.83 S	10.53 E	64.69	170.64	0.83	-0.11	-47.47
	6586.61	1.24	163.13	93	6585.51	-65.47	65.47 S	11.24 E	66.42	170.26	0.42	0.29	16.26
	6679.91	1.09	187.44	93	6678.79	-67.31	67.31 S	11.42 E	68.27	170.37	0.55	-0.16	26.06
	6773.21	1.03	178.57	93	6772.07	-69.03	69.03 S	11.32 E	69.95	170.69	0.19	-0.06	-9.51
	6866.52	0.97	194.26	93	6865.37	-70.63	70.63 S	11.15 E	71.51	171.03	0.30	-0.06	16.81
	6959.82	0.88	204.83	93	6958.66	-72.05	72.05 S	10.65 E	72.83	171.59	0.21	-0.10	11.33
	7053.13	0.88	244.84	93	7051.96	-73.00	73.00 S	9.70 E	73.65	172.43	0.65	0.00	42.88
	7146.43	0.82	266.49	93	7145.25	-73.35	73.35 S	8.39 E	73.83	173.48	0.35	-0.06	23.20
	7239.73	0.93	271.39	93	7238.54	-73.37	73.37 S	6.97 E	73.70	174.58	0.14	0.12	5.25
	7333.04	0.95	268.82	93	7331.83	-73.37	73.37 S	5.43 E	73.57	175.76	0.05	0.02	-2.75
	7426.34	1.06	282.68	93	7425.12	-73.20	73.20 S	3.82 E	73.30	177.01	0.29	0.12	14.86
	7519.64	0.28	208.97	93	7518.41	-73.21	73.21 S	2.87 E	73.26	177.76	1.09	-0.84	-79.00
	7612.95	0.13	256.36	93	7611.72	-73.43	73.43 S	2.65 E	73.48	177.93	0.23	-0.16	50.79
	7706.25	0.13	304.50	93	7705.02	-73.40	73.40 S	2.46 E	73.44	178.08	0.11	0.00	51.60
	7799.55	0.24	312.87	93	7798.32	-73.20	73.20 S	2.23 E	73.24	178.25	0.12	0.12	8.97
	7892.86	0.41	322.41	93	7891.63	-72.80	72.80 S	1.89 E	72.83	178.52	0.19	0.18	10.22
	7986.16	0.21	222.05	93	7984.93	-72.67	72.67 S	1.57 E	72.68	178.76	0.53	-0.21	-107.57
	8079.47	0.16	237.83	93	8078.24	-72.86	72.86 S	1.34 E	72.88	178.94	0.08	-0.05	16.91
	8172.77	0.14	281.30	93	8171.54	-72.91	72.91 S	1.12 E	72.92	179.12	0.12	-0.02	46.59

PHOENIX
TECHNOLOGY SERVICES

Company:	Matador Resources	Job Number:	1514666	Calculation Method:	Minimum Curvature
Well:	Olivine State 05-16S-37E TL #1	Grid Corr.:	-0.58	Proposed Azimuth:	
Location:	Lea Co., New Mexico	Lat:	32.96	RKB - MSL in feet:	28.5 Feet
Rig:	Patterson 309	Long:	-103.27	Tie Into:	Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	8266.07	0.33	318.76	93	8264.84	-72.69	72.69 S	0.83 E	72.69	179.34	0.25	0.20	40.15
	8359.38	0.54	335.20	93	8358.14	-72.09	72.09 S	0.47 E	72.09	179.63	0.26	0.23	17.62
	8452.68	1.08	5.50	93	8451.43	-70.81	70.81 S	0.37 E	70.81	179.70	0.72	0.58	-353.38
	8545.98	1.01	351.33	93	8544.72	-69.12	69.12 S	0.33 E	69.12	179.73	0.29	-0.08	370.66
	8639.29	1.07	14.02	93	8638.01	-67.46	67.46 S	0.42 E	67.47	179.64	0.44	0.06	-361.49
	8732.59	0.46	86.43	93	8731.31	-66.60	66.60 S	1.00 E	66.60	179.14	1.10	-0.65	77.61
	8825.90	1.07	193.22	93	8824.61	-67.42	67.42 S	1.18 E	67.43	179.00	1.37	0.65	114.45
	8919.20	1.02	205.23	93	8917.90	-69.02	69.02 S	0.62 E	69.02	179.48	0.24	-0.05	12.87
	9012.50	0.92	208.60	93	9011.18	-70.43	70.43 S	0.09 W	70.43	180.07	0.12	-0.11	3.61
	9105.81	1.01	208.00	93	9104.48	-71.81	71.81 S	0.83 W	71.82	180.66	0.10	0.10	-0.64
	9199.11	1.61	183.27	93	9197.76	-73.85	73.85 S	1.29 W	73.86	181.00	0.87	0.64	-26.51
	9292.41	1.54	190.85	93	9291.02	-76.39	76.39 S	1.60 W	76.40	181.20	0.24	-0.08	8.12
	9385.72	1.48	198.08	93	9384.30	-78.76	78.76 S	2.21 W	78.80	181.61	0.21	-0.06	7.75
	9479.02	1.30	205.24	93	9477.57	-80.87	80.87 S	3.04 W	80.92	182.15	0.27	-0.19	7.67
	9572.32	1.11	182.96	93	9570.85	-82.73	82.73 S	3.54 W	82.80	182.45	0.54	-0.20	-23.88
	9665.63	1.02	202.73	93	9664.14	-84.40	84.40 S	3.91 W	84.49	182.65	0.40	-0.10	21.19
	9758.93	1.01	207.62	93	9757.43	-85.89	85.89 S	4.61 W	86.01	183.07	0.09	-0.01	5.24
	9852.24	1.02	202.93	93	9850.72	-87.38	87.38 S	5.31 W	87.54	183.48	0.09	0.01	-5.03
	9945.54	1.00	197.35	93	9944.01	-88.93	88.93 S	5.88 W	89.12	183.78	0.11	-0.02	-5.98
	10038.84	0.92	192.51	93	10037.30	-90.43	90.43 S	6.28 W	90.65	183.97	0.12	-0.09	-5.19
	10132.15	0.77	209.81	93	10130.60	-91.71	91.71 S	6.76 W	91.96	184.21	0.32	-0.16	18.54
	10225.45	0.60	240.76	93	10223.89	-92.49	92.49 S	7.50 W	92.79	184.63	0.43	-0.18	33.17
	10318.75	0.59	284.50	93	10317.19	-92.61	92.61 S	8.39 W	92.99	185.17	0.48	-0.01	46.88
	10412.06	0.54	282.88	93	10410.49	-92.39	92.39 S	9.28 W	92.86	185.74	0.06	-0.05	-1.74
	10505.36	0.54	8.26	93	10503.79	-91.86	91.86 S	9.65 W	92.36	185.99	0.78	0.00	-294.34
	10598.67	0.49	8.84	93	10597.09	-91.03	91.03 S	9.52 W	91.53	185.97	0.05	-0.05	0.62
	10691.97	0.45	9.10	93	10690.39	-90.27	90.27 S	9.40 W	90.76	185.95	0.04	-0.04	0.28
	10785.27	0.64	4.77	93	10783.69	-89.39	89.39 S	9.30 W	89.87	185.94	0.21	0.20	-4.64
	10878.58	0.99	1.07	93	10876.99	-88.07	88.07 S	9.24 W	88.55	185.99	0.38	0.38	-3.97
	10971.88	1.14	350.33	93	10970.27	-86.35	86.35 S	9.38 W	86.85	186.20	0.27	0.16	374.34

PHOENIX
TECHNOLOGY SERVICES

Company:	Matador Resources	Job Number:	1514666	Calculation Method:	Minimum Curvature
Well:	Olivine State 05-16S-37E TL #1	Grid Corr.:	-0.58	Proposed Azimuth:	
Location:	Lea Co., New Mexico	Lat:	32.96	RKB - MSL in feet:	28.5 Feet
Rig:	Patterson 309	Long:	-103.27	Tie Into:	Surface

Survey Tool Type	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates N/S (ft)	Coordinates E/W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
	11065.18	1.13	3.35	93	11063.55	-84.51	84.51 S	9.49 W	85.04	186.40	0.28	-0.01	-371.90
	11158.49	1.49	357.37	93	11156.84	-82.38	82.38 S	9.49 W	82.93	186.57	0.41	0.39	379.40
	11251.79	2.03	347.64	93	11250.09	-79.56	79.56 S	9.90 W	80.17	187.09	0.66	0.58	-10.43
	11345.10	2.30	347.73	93	11343.34	-76.11	76.11 S	10.65 W	76.85	187.96	0.29	0.29	0.10
	11438.40	2.59	323.03	93	11436.56	-72.60	72.60 S	12.31 W	73.64	189.63	1.16	0.31	-26.47
	11531.70	3.44	319.06	93	11529.73	-68.80	68.80 S	15.42 W	70.51	192.63	0.94	0.91	-4.26
	11625.01	4.22	322.95	93	11622.83	-63.95	63.95 S	19.32 W	66.80	196.81	0.88	0.84	4.17
	11718.31	4.96	333.72	93	11715.83	-57.59	57.59 S	23.17 W	62.08	201.92	1.21	0.79	11.54

PHOENIX
TECHNOLOGY SERVICES USA INC.
3610 Elkins Road, Midland, Texas 79705 T. 432.684.0057 F. 432.686.7964 www.phxtech.com

Celebrating 20 Years of Focused Solutions

December 7, 2015

Matador Production Company
Attention: Regulatory Department
One Lincoln Centre
5400 LBJ Freeway, Suite 1500
Dallas, Texas 75240

Re: Matador Production Company
Olivine State #1
Lea County, NM
API #30-025-41718
Job No. 1514666

Dear Regulatory Department;

Phoenix Technology Services, Inc. has filed the Survey Data Certification, Surveys, and Lease Plat for the above referenced well with the State of New Mexico Oil Conservation Division – District 2 via certified mail. A copy of the filing is attached for your records.

Name of Surveyor	Drain Hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Noe Garza	1	0	11718.31	11/28/15	11/28/15	Gyro

Thank you for the opportunity to be of service. Please contact me if you have any questions or require additional information.

Best Regards,

Alicia Marquez
Operations Administrator

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

December 7, 2015

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

Dear District 2 - Artesia

Attention: Regulatory Department

Re: Matador Production Company
Olivine State #1
Lea County, NM
API #30-025-41718
Job No. 1514666

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	
Noe Garza	1	0	11718.31	11/28/15	11/28/15	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.

Best Regards,

Alicia Marquez
Operations Administrator

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., Sante 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.
Sante Fe, NM 87505

HOBBS OCD
MAR 12 2014
RECEIVED

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	[2]Pool Code	[3]Pool Name
30-025-41718	16720	Dean; Permo Upper Penn

[4]Property Code	[5]Property Name	[6]Well Number
40453	OLIVINE STATE	#1

[7]OGRID No.	[8]Operator Name	[9]Elevation
228937	MATADOR PRODUCTION COMPANY	3841'

[10]Surface Location

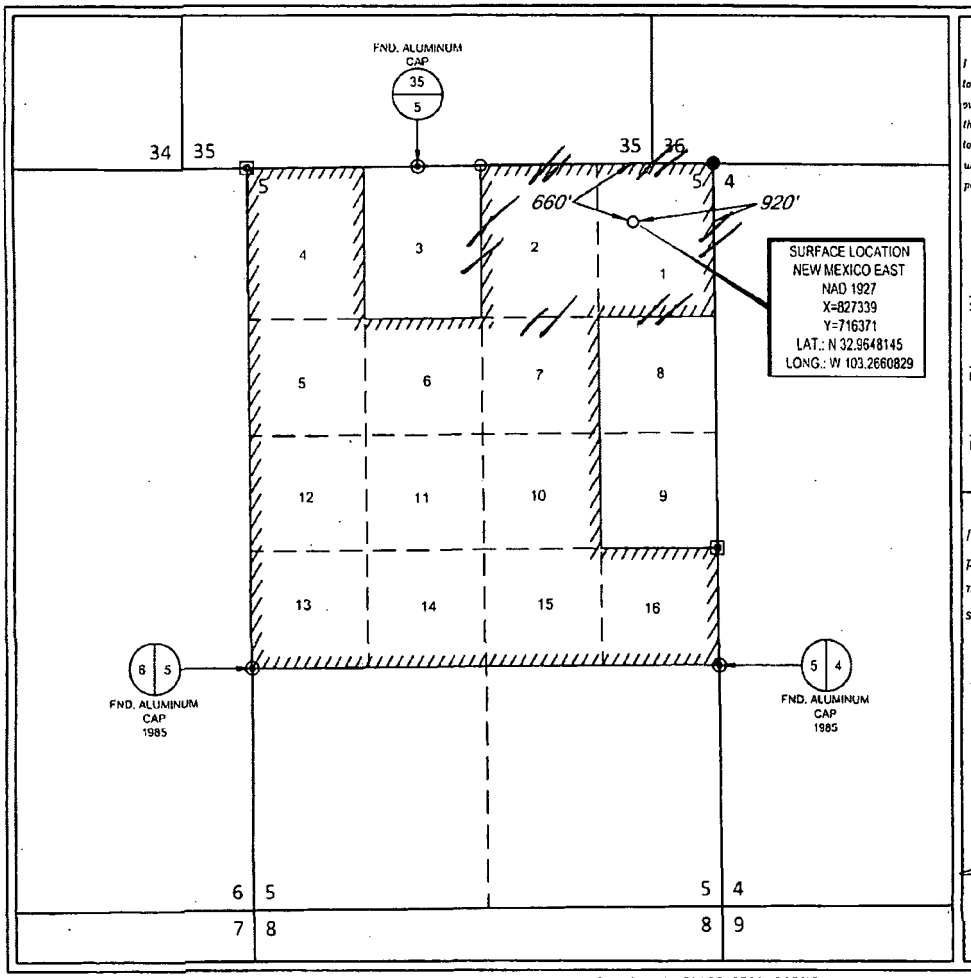
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	5	16-S	37-E	-	660'	NORTH	920'	EAST	LEA

[11]Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
-	-	-	-	-	-	-	-	-	-

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
80.0 92.19			

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.



[17]OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature 3/11/14 Date

Clayton Sporich
Printed Name

csporich@matadorresources.com
E-mail Address

[18]SURVEYOR CERTIFICATION

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 to the best of my belief.

03/03/2014
Date of Survey
Signature and Seal of Professional Surveyor

MICHAEL B. BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\MATADOR RESOURCES\OLIVINE STATE_1\FINAL PRODUCTS\LO OLIVINESTATE 1.DWG 3/3/2014 5:49:36 PM swillagrana

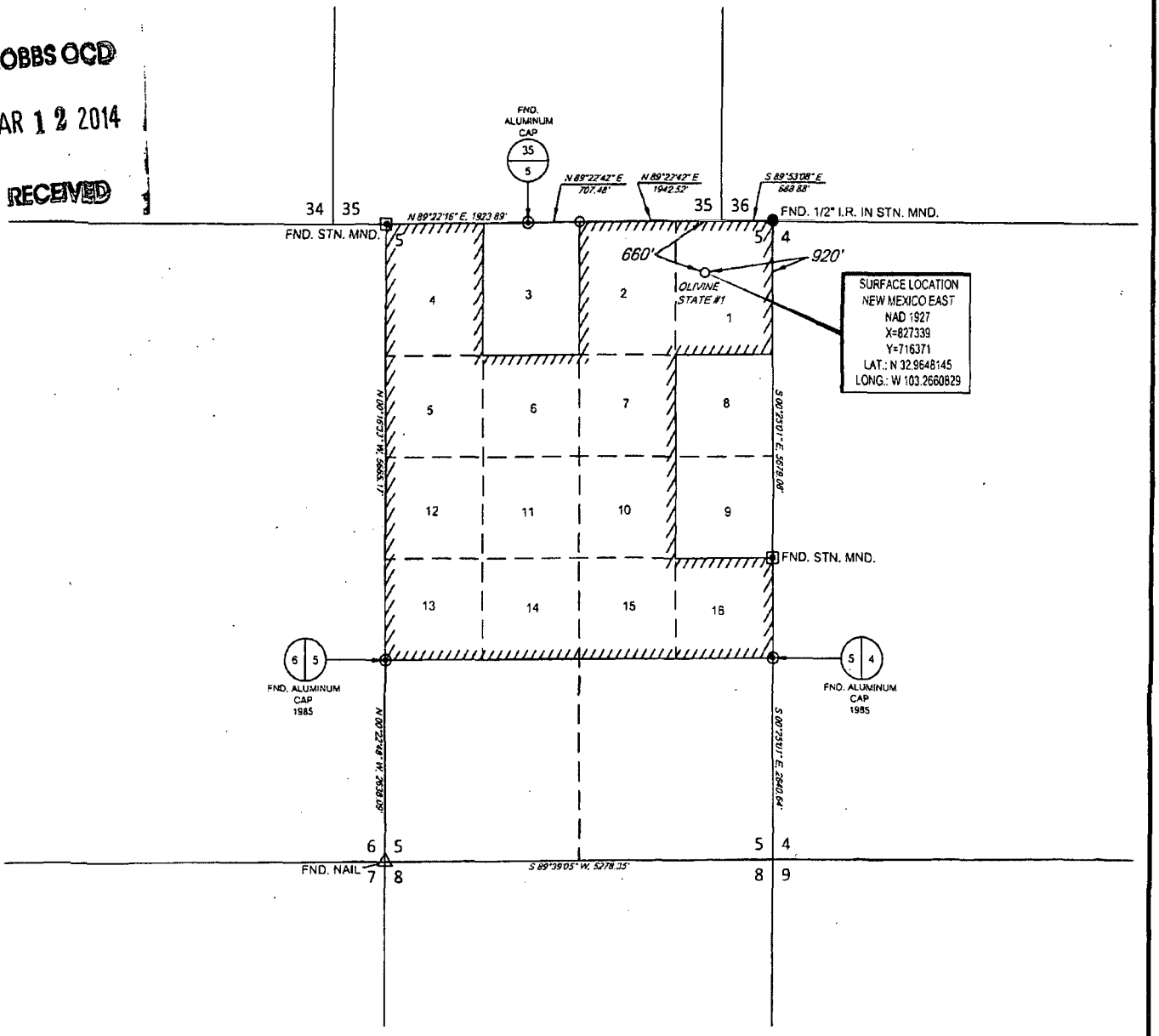
MAR 13 2014

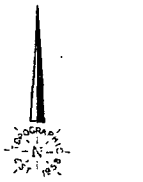
HOBBS OCD

MAR 12 2014

RECEIVED

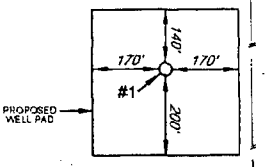
SECTION 5, TOWNSHIP 16 SOUTH, RANGE 37 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO





SCALE: 1" = 1000'

0' 500' 1000'

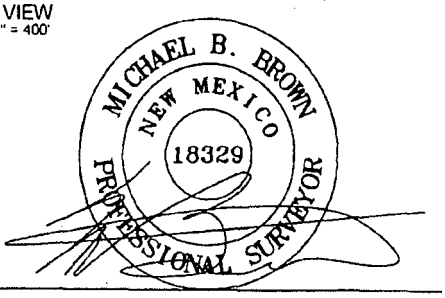


DETAIL VIEW
SCALE: 1" = 400'

LEASE NAME & WELL NO.: OLIVINE STATE #1

SECTION 5 TWP 16-S RGE 37-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 660' FNL & 920' FEL

DISTANCE & DIRECTION FROM INT. OF US-82 E./N. MAIN AVE./NM-83/ E AVE. D, GO NORTH ON US-82 E./N. MAIN AVE. ±4.0 MILES, THENCE EAST (RIGHT) ON CR. 115/OWENS RD. ±2.1 MILES, THENCE SOUTH (RIGHT) ON LEASE RD. ±1.0 MILES, THENCE EAST (LEFT) ON LEASE RD. ±0.5 MILES TO A POINT ±650 FEET NORTH OF THE LOCATION.



Michael Blake Brown, P.S. No. 18329
FEBRUARY 28, 2014

PHOENIX
TECHNOLOGY SERVICES

December 10, 2015

Matador Production Company
Attention: Regulatory Department
One Lincoln Centre
5400 LBJ Freeway, Suite 1500
Dallas, Texas 75240

Re: Matador Resources
Olivine State 05-16S-37E TL #1
Lea Co., New Mexico
API #30-025-41718
Job No. 1514518

Dear Regulatory Department;

Phoenix Technology Services, Inc. has filed the Survey Data Certification, Surveys, and Lease Plat for the above referenced Well with the Texas Railroad Commission via certification online. A copy of the filing is attached for your records.

Name of Surveyor	Drain hole Number	Surveyed Depths		Dates Performed		Type of Survey
		From	To	Start	End	
Clint Gortmaker	1	197	11,043	11/02/15	11/17/15	MWD

Thank you for the opportunity to be of service. Please contact me if you have any questions or require additional information.

Best Regards,

Claudia Carreon

Claudia Carreon
Operations Administrator

12329 Cutten Rd. Houston, TX 77066 • Phone (713) 337-0600 • Fax (713) 337-0599
www.phxtech.com

Phoenix Technology Services
SURVEY DATA CERTIFICATION

PHOENIX TECHNOLOGY SERVICES

PHOENIX JOB NUMBER	1514518	OPERATOR	Matador Resources
WELL NAME	Olivine State 05-16S-37E TL #1	COUNTY & STATE	Lea County, NM
API WELL NUMBER	30-025-41718	PROPOSED DIRECTION	0

TIE-IN DATA

MEASURED DEPTH	VERTICAL DEPTH	INCLIN	AZIMUTH	N-S COORD	E-W COORD	DATA SOURCE
0.00 ft	.00 ft	.0 ft	.0 ft	.00 ft	.00 ft	Surface

FIRST SURVEY DATE	FIRST SURVEY DEPTH	INCLIN	AZIMUTH
2-Nov-15	197 ft	0.4	285.2

SURVEY INSTRUMENT TYPE
Phoenix MWD

LAST SURVEY DATE	LAST SURVEY DEPTH	INCLIN	AZIMUTH
17-Nov-15	11,043 ft	1.5	15.8

TO THE BEST OF MY KNOWLEDGE I CERTIFY THIS SURVEY DATA TO BE TRUE AND CORRECT.

PROJECTED TD SURVEY DATE	PROJECTED TD SURVEY DEPTH	INCLIN	AZIMUTH
17-Nov-15	11,110 ft	1.5	15.8

Clint Gortmaker

PRINT YOUR NAME ABOVE

Clint Gortmaker

SIGN YOUR NAME ABOVE

MAGNETIC DECLINATION OR TOTAL GRID

TOTAL CORRECTION USED	6.45
DECLINATION OR GRID	GRID

18-Nov-15

TODAY'S DATE

MWD SUPERVISOR 1	Gary Harmon	DIRECTIONAL DRILLER 1	Van Johnson
MWD SUPERVISOR 2	Clint Gortmaker	DIRECTIONAL DRILLER 2	Hich Chaara

12329 Cutten Rd Houston, Texas 77066 (713)3370609 (Voice), (713)337-0599 (Fax)

Matador Resources

Lea County, NM (NAD 27)
Olivine State 05-16S-37E TL
#1

OH / Job 1514518

Survey: Phoenix MWD Surveys

Standard Survey Report

18 November, 2015

PHOENIX
TECHNOLOGY SERVICES

Phoenix Technology Services LP

Survey Report

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well #1
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3869.00usft (Patterson 809)
Site:	Olivine State 05-16S-37E TL	**MD Reference:**	RKB @ 3869.00usft (Patterson 809)
Well:	#1	**North Reference:**	Grid
Wellbore:	OH / Job 1514518	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys (Patterson 809)	**Database:**	Compass 5000 GCR

Project Lea County, NM (NAD 27)

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site Olivine State 05-16S-37E TL

Site Position:		**Northing:**	716,371.00 usft	**Latitude:**	32° 57' 53.33423 N
From:	Map	**Easting:**	827,339.00 usft	**Longitude:**	103° 15' 57.89507 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.58 °

Well #1

Well Position	**+N/-S**	0.00 usft	**Northing:**	716,371.00 usft	**Latitude:**	32° 57' 53.33423 N
	+E/-W	0.00 usft	**Easting:**	827,339.00 usft	**Longitude:**	103° 15' 57.89507 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	0.00 usft	**Ground Level:**	3,841.00 usft

Wellbore OH / Job 1514518

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	10/28/2015	7.03	60.87	48,463

Design Surveys (Patterson 809)

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	180.00

Survey Program **Date** 11/18/2015

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
197.00	11,110.00	Phoenix MWD Surveys (OH / Job 1514518	PHX+MWD+HDGM	PHX+OWSG MWD + HDGM

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
197.00	0.40	285.20	197.00	0.18	-0.66	-0.18	0.20	0.20	0.00
First Phoenix Survey									
297.00	0.60	263.50	296.99	0.21	-1.52	-0.21	0.27	0.20	-21.70
483.00	0.50	290.20	482.99	0.38	-3.25	-0.38	0.15	-0.05	14.35
576.00	0.40	287.40	575.98	0.62	-3.94	-0.62	0.11	-0.11	-3.01
668.00	0.50	287.30	667.98	0.84	-4.63	-0.84	0.11	0.11	-0.11
762.00	0.70	277.00	761.98	1.03	-5.59	-1.03	0.24	0.21	-10.96
853.00	0.70	291.40	852.97	1.30	-6.66	-1.30	0.19	0.00	15.82
945.00	0.70	291.00	944.96	1.70	-7.71	-1.70	0.01	0.00	-0.43
1,039.00	0.60	294.50	1,038.96	2.11	-8.69	-2.11	0.11	-0.11	3.72

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well #1
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3869.00usft (Patterson 809)
Site:	Olivine State 05-16S-37E TL	**MD Reference:**	RKB @ 3869.00usft (Patterson 809)
Well:	#1	**North Reference:**	Grid
Wellbore:	OH / Job 1514518	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys (Patterson 809)	**Database:**	Compass 5000 GCR

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,132.00	0.50	291.90	1,131.95	2.47	-9.51	-2.47	0.11	-0.11	-2.80
1,226.00	0.50	277.90	1,225.95	2.68	-10.30	-2.68	0.13	0.00	-14.89
1,320.00	0.70	287.50	1,319.94	2.91	-11.25	-2.91	0.24	0.21	10.21
1,413.00	1.00	304.00	1,412.93	3.53	-12.47	-3.53	0.41	0.32	17.74
1,507.00	0.80	294.80	1,506.92	4.26	-13.74	-4.26	0.26	-0.21	-9.79
1,601.00	1.10	305.50	1,600.91	5.06	-15.07	-5.06	0.37	0.32	11.38
1,694.00	0.90	299.90	1,693.89	5.95	-16.43	-5.95	0.24	-0.22	-6.02
1,788.00	0.80	298.50	1,787.88	6.63	-17.65	-6.63	0.11	-0.11	-1.49
1,881.00	0.60	288.40	1,880.88	7.09	-18.68	-7.09	0.25	-0.22	-10.86
1,975.00	0.50	287.00	1,974.87	7.37	-19.54	-7.37	0.11	-0.11	-1.49
2,046.00	0.80	285.90	2,045.87	7.59	-20.32	-7.59	0.42	0.42	-1.55
2,161.00	0.80	296.70	2,160.86	8.17	-21.80	-8.17	0.13	0.00	9.39
2,255.00	0.50	308.90	2,254.85	8.73	-22.71	-8.73	0.35	-0.32	12.98
2,349.00	0.30	214.80	2,348.85	8.78	-23.17	-8.78	0.64	-0.21	-100.11
2,442.00	0.70	190.50	2,441.85	8.02	-23.41	-8.02	0.48	0.43	-26.13
2,536.00	1.30	171.60	2,535.83	6.40	-23.36	-6.40	0.72	0.64	-20.11
2,629.00	1.40	165.90	2,628.80	4.26	-22.93	-4.26	0.18	0.11	-6.13
2,723.00	1.20	170.30	2,722.78	2.17	-22.48	-2.17	0.24	-0.21	4.68
2,817.00	1.10	168.20	2,816.76	0.32	-22.13	-0.32	0.12	-0.11	-2.23
2,911.00	1.20	162.80	2,910.74	-1.50	-21.66	1.50	0.16	0.11	-5.74
3,004.00	1.10	165.70	3,003.72	-3.30	-21.15	3.30	0.12	-0.11	3.12
3,098.00	1.10	158.50	3,097.71	-5.01	-20.60	5.01	0.15	0.00	-7.66
3,192.00	1.00	169.00	3,191.69	-6.66	-20.11	6.66	0.23	-0.11	11.17
3,285.00	0.50	147.00	3,284.68	-7.79	-19.73	7.79	0.61	-0.54	-23.66
3,379.00	0.60	146.20	3,378.68	-8.55	-19.24	8.55	0.11	0.11	-0.85
3,472.00	0.90	121.80	3,471.67	-9.34	-18.34	9.34	0.46	0.32	-26.24
3,566.00	0.80	112.50	3,565.66	-9.98	-17.11	9.98	0.18	-0.11	-9.89
3,660.00	1.10	122.00	3,659.65	-10.71	-15.74	10.71	0.36	0.32	10.11
3,753.00	1.30	135.90	3,752.63	-11.94	-14.25	11.94	0.38	0.22	14.95
3,847.00	1.10	116.00	3,846.61	-13.10	-12.70	13.10	0.49	-0.21	-21.17
3,940.00	0.90	150.90	3,939.59	-14.13	-11.54	14.13	0.68	-0.22	37.53
4,034.00	1.10	178.00	4,033.58	-15.67	-11.15	15.67	0.54	0.21	28.83
4,127.00	1.00	190.90	4,126.56	-17.36	-11.27	17.36	0.28	-0.11	13.87
4,221.00	0.60	201.10	4,220.55	-18.63	-11.60	18.63	0.45	-0.43	10.85
4,315.00	0.10	77.50	4,314.55	-19.07	-11.70	19.07	0.70	-0.53	-131.49
4,408.00	0.30	82.50	4,407.55	-19.02	-11.38	19.02	0.22	0.22	5.38
4,502.00	0.90	104.90	4,501.55	-19.18	-10.42	19.18	0.67	0.64	23.83
4,595.00	1.10	117.50	4,594.53	-19.78	-8.92	19.78	0.32	0.22	13.55
4,689.00	0.60	92.70	4,688.52	-20.22	-7.63	20.22	0.65	-0.53	-26.38
4,783.00	0.70	67.60	4,782.52	-20.02	-6.61	20.02	0.32	0.11	-26.70
4,876.00	0.60	39.20	4,875.51	-19.43	-5.78	19.43	0.36	-0.11	-30.54
4,953.00	0.90	37.40	4,952.50	-18.64	-5.15	18.64	0.39	0.39	-2.34
5,026.00	0.90	22.50	5,025.50	-17.65	-4.59	17.65	0.32	0.00	-20.41

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well #1
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3869.00usft (Patterson 809)
Site:	Olivine State 05-16S-37E TL	**MD Reference:**	RKB @ 3869.00usft (Patterson 809)
Well:	#1	**North Reference:**	Grid
Wellbore:	OH / Job 1514518	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys (Patterson 809)	**Database:**	Compass 5000 GCR

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,120.00	0.30	101.50	5,119.49	-17.02	-4.06	17.02	0.95	-0.64	84.04
5,214.00	0.50	189.10	5,213.49	-17.47	-3.89	17.47	0.61	0.21	93.19
5,307.00	1.20	183.70	5,306.48	-18.84	-4.01	18.84	0.76	0.75	-5.81
5,401.00	2.20	183.90	5,400.44	-21.63	-4.20	21.63	1.06	1.06	0.21
5,494.00	2.10	185.00	5,493.37	-25.10	-4.47	25.10	0.12	-0.11	1.18
5,588.00	1.80	191.20	5,587.32	-28.27	-4.91	28.27	0.39	-0.32	6.60
5,682.00	1.60	190.50	5,681.27	-31.01	-5.43	31.01	0.21	-0.21	-0.74
5,776.00	1.20	187.30	5,775.25	-33.27	-5.80	33.27	0.43	-0.43	-3.40
5,869.00	0.90	193.80	5,868.23	-34.95	-6.09	34.95	0.35	-0.32	6.99
5,963.00	0.90	200.30	5,962.22	-36.36	-6.53	36.36	0.11	0.00	6.91
6,056.00	0.90	196.50	6,055.21	-37.74	-6.99	37.74	0.06	0.00	-4.09
6,150.00	0.80	205.20	6,149.20	-39.05	-7.48	39.05	0.17	-0.11	9.26
6,243.00	0.80	206.23	6,242.19	-40.22	-8.04	40.22	0.02	0.00	1.11
6,337.00	0.80	211.80	6,336.18	-41.36	-8.68	41.36	0.08	0.00	5.93
6,431.00	0.80	212.30	6,430.17	-42.47	-9.37	42.47	0.01	0.00	0.53
6,524.00	0.70	137.20	6,523.16	-43.44	-9.33	43.44	0.99	-0.11	-80.75
6,618.00	1.00	151.70	6,617.15	-44.58	-8.55	44.58	0.39	0.32	15.43
6,711.00	0.90	170.70	6,710.14	-46.02	-8.05	46.02	0.35	-0.11	20.43
6,805.00	0.70	178.50	6,804.13	-47.32	-7.92	47.32	0.24	-0.21	8.30
6,899.00	0.60	183.20	6,898.13	-48.39	-7.93	48.39	0.12	-0.11	5.00
6,993.00	0.60	216.50	6,992.12	-49.27	-8.25	49.27	0.37	0.00	35.43
7,086.00	0.70	259.50	7,085.12	-49.77	-9.10	49.77	0.52	0.11	46.24
7,180.00	0.90	289.70	7,179.11	-49.62	-10.36	49.62	0.49	0.21	32.13
7,274.00	1.00	297.00	7,273.09	-49.00	-11.78	49.00	0.17	0.11	7.77
7,367.00	1.00	296.50	7,366.08	-48.27	-13.23	48.27	0.01	0.00	-0.54
7,461.00	1.10	299.50	7,460.06	-47.46	-14.75	47.46	0.12	0.11	3.19
7,554.00	0.20	311.00	7,553.06	-46.92	-15.65	46.92	0.97	-0.97	12.37
7,648.00	0.50	118.90	7,647.06	-47.01	-15.42	47.01	0.74	0.32	178.62
7,742.00	0.20	64.40	7,741.05	-47.13	-14.91	47.13	0.44	-0.32	-57.98
7,835.00	0.40	354.20	7,834.05	-46.74	-14.80	46.74	0.41	0.22	-75.48
7,929.00	0.50	350.10	7,928.05	-46.01	-14.90	46.01	0.11	0.11	-4.36
8,023.00	0.30	20.30	8,022.05	-45.38	-14.88	45.38	0.30	-0.21	32.13
8,116.00	0.30	344.30	8,115.05	-44.91	-14.87	44.91	0.20	0.00	-38.71
8,207.00	0.40	342.90	8,206.05	-44.38	-15.02	44.38	0.11	0.11	-1.54
8,301.00	0.40	342.30	8,300.04	-43.75	-15.22	43.75	0.00	0.00	-0.64
8,395.00	0.80	7.10	8,394.04	-42.79	-15.24	42.79	0.50	0.43	26.38
8,488.00	1.30	354.00	8,487.02	-41.10	-15.27	41.10	0.59	0.54	-14.09
8,582.00	1.50	0.30	8,580.99	-38.81	-15.37	38.81	0.27	0.21	6.70
8,675.00	1.50	7.70	8,673.96	-36.38	-15.20	36.38	0.21	0.00	7.96
8,769.00	1.00	54.70	8,767.94	-34.69	-14.37	34.69	1.17	-0.53	50.00
8,863.00	0.70	174.70	8,861.94	-34.79	-13.65	34.79	1.57	-0.32	127.66
8,923.00	0.90	194.20	8,921.93	-35.61	-13.73	35.61	0.56	0.33	32.50
9,016.00	0.60	200.40	9,014.92	-36.77	-14.08	36.77	0.33	-0.32	6.67

Company:	Matador Resources	**Local Co-ordinate Reference:**	Well #1
Project:	Lea County, NM (NAD 27)	**TVD Reference:**	RKB @ 3869.00usft (Patterson 809)
Site:	Olivine State 05-16S-37E TL	**MD Reference:**	RKB @ 3869.00usft (Patterson 809)
Well:	#1	**North Reference:**	Grid
Wellbore:	OH / Job 1514518	**Survey Calculation Method:**	Minimum Curvature
Design:	Surveys (Patterson 809)	**Database:**	Compass 5000 GCR

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,110.00	0.50	208.40	9,108.92	-37.59	-14.44	37.59	0.13	-0.11	8.51
9,203.00	1.20	174.10	9,201.91	-38.92	-14.54	38.92	0.90	0.75	-36.88
9,297.00	1.30	173.90	9,295.89	-40.96	-14.32	40.96	0.11	0.11	-0.21
9,390.00	1.30	179.20	9,388.86	-43.06	-14.20	43.06	0.13	0.00	5.70
9,484.00	1.10	191.50	9,482.84	-45.01	-14.36	45.01	0.35	-0.21	13.09
9,577.00	1.00	194.50	9,575.83	-46.67	-14.74	46.67	0.12	-0.11	3.23
9,671.00	0.70	185.60	9,669.82	-48.04	-15.00	48.04	0.35	-0.32	-9.47
9,764.00	0.80	195.10	9,762.81	-49.23	-15.23	49.23	0.17	0.11	10.22
9,858.00	0.60	189.40	9,856.80	-50.35	-15.48	50.35	0.23	-0.21	-6.06
9,951.00	0.80	185.70	9,949.79	-51.48	-15.62	51.48	0.22	0.22	-3.98
10,045.00	0.70	177.40	10,043.79	-52.70	-15.66	52.70	0.16	-0.11	-8.83
10,139.00	0.50	179.00	10,137.78	-53.69	-15.63	53.69	0.21	-0.21	1.70
10,232.00	0.30	223.30	10,230.78	-54.27	-15.79	54.27	0.38	-0.22	47.63
10,326.00	0.30	265.80	10,324.78	-54.47	-16.20	54.47	0.23	0.00	45.21
10,419.00	0.40	312.30	10,417.78	-54.27	-16.69	54.27	0.31	0.11	50.00
10,513.00	0.80	17.30	10,511.77	-53.42	-16.73	53.42	0.77	0.43	69.15
10,606.00	0.90	26.60	10,604.76	-52.15	-16.21	52.15	0.18	0.11	10.00
10,700.00	0.90	31.60	10,698.75	-50.86	-15.50	50.86	0.08	0.00	5.32
10,795.00	1.00	34.80	10,793.74	-49.54	-14.63	49.54	0.12	0.11	3.37
10,887.00	1.10	24.70	10,885.72	-48.08	-13.81	48.08	0.23	0.11	-10.98
10,982.00	1.40	12.40	10,980.70	-46.12	-13.18	46.12	0.42	0.32	-12.95
11,043.00	1.50	15.80	11,041.68	-44.62	-12.80	44.62	0.22	0.16	5.57
Final Phoenix Survey									
11,110.00	1.50	15.80	11,108.66	-42.94	-12.32	42.94	0.00	0.00	0.00
Projection to TD									

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
197.00	197.00	0.18	-0.66	First Phoenix Survey
11,043.00	11,041.68	-44.62	-12.80	Final Phoenix Survey
11,110.00	11,108.66	-42.94	-12.32	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

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., Sante 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.
Sante Fe, NM 87505

HOBBS OCD
MAR 12 2014
RECEIVED

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	[2]Pool Code	[3]Pool Name
30-025-41718	16720	Dean; Permo Upper Penn

[4]Property Code	[5]Property Name	[6]Well Number
40453	OLIVINE STATE	#1

[7]OGRID No.	[8]Operator Name	[9]Elevation
228937	MATADOR PRODUCTION COMPANY	3841'

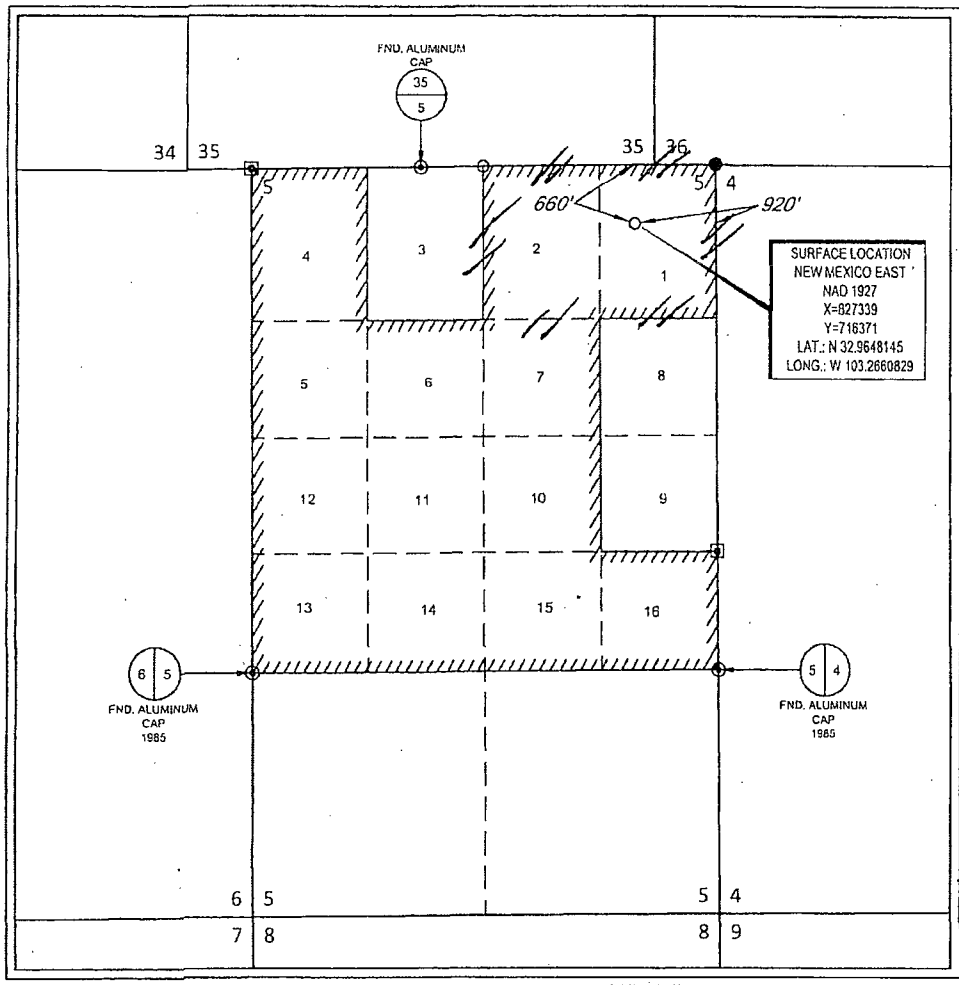
[10]Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	5	16-S	37-E	–	660'	NORTH	920'	EAST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
–	–	–	–	–	–	–	–	–	–

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
~~80~~ 92.19			

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.



[17]OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature — Date: 3/11/14

Clayton Sporich
Printed Name

csporich@matadorresources.com
E-mail Address

[18]SURVEYOR CERTIFICATION

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 to the best of my belief.

03/03/2014
Date of Survey
Signature and Seal of Professional Surveyor

MICHAEL B. BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

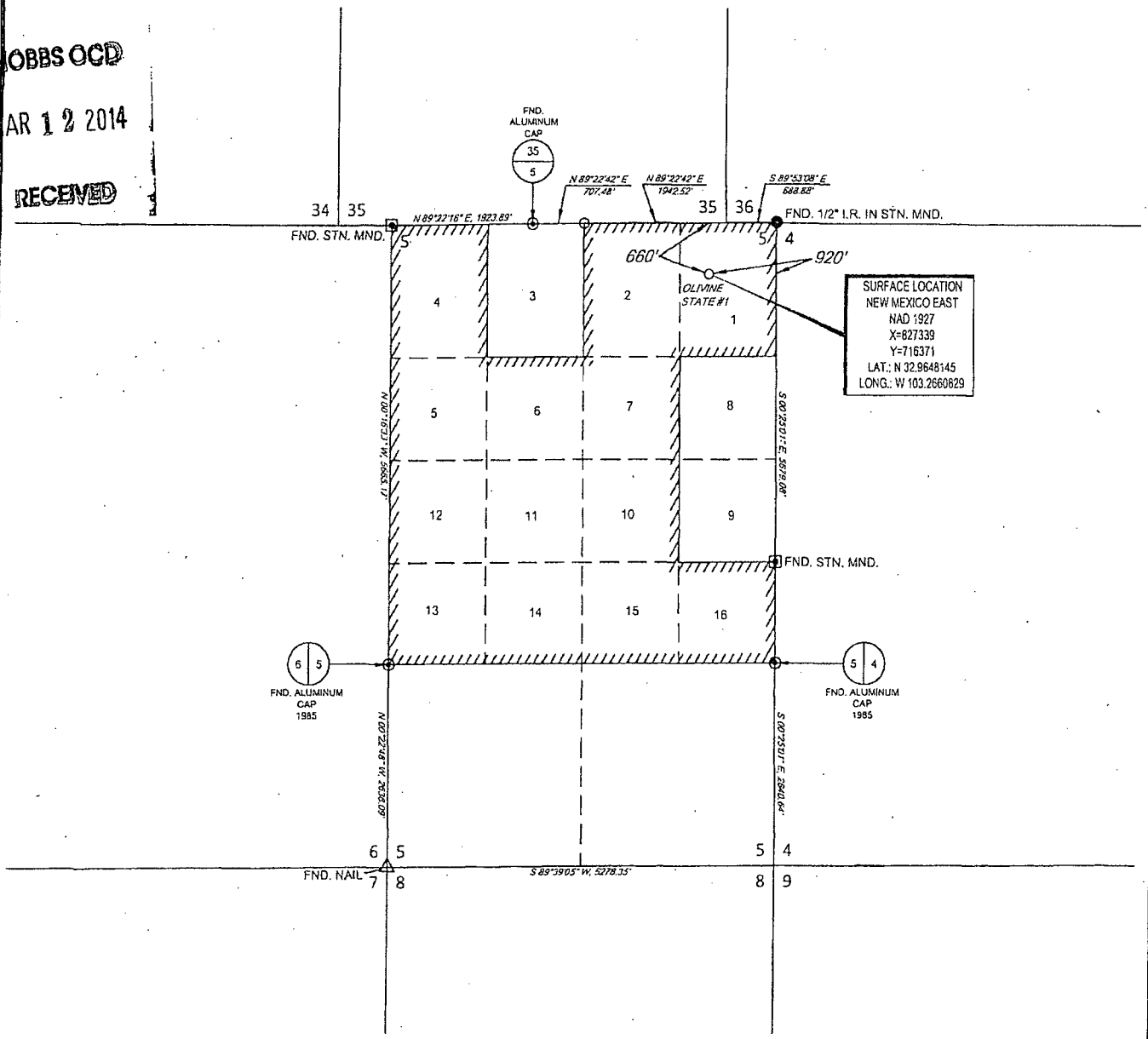
Certificate Number

S:\SURVEY\MATADOR_RESOURCES\OLIVINE_STATE_1\FINAL_PRODUCTS\LO_OLIVINESTATE_1.DWG 3/3/2014 5:49:36 PM svillagrana

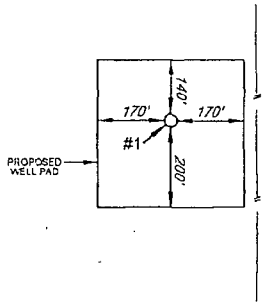
MAR 13 2014

SECTION 5, TOWNSHIP 16 SOUTH, RANGE 37 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO

HOBBS OCD
MAR 12 2014
RECEIVED



SCALE: 1" = 1000'
0' 500' 1000'

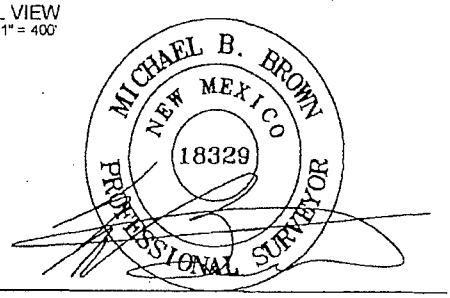


DETAIL VIEW
SCALE: 1" = 400'

LEASE NAME & WELL NO.: OLIVINE STATE #1

SECTION 5 TWP 16-S RGE 37-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 660' FNL & 920' FEL

DISTANCE & DIRECTION FROM INT. OF US-82 E./N. MAIN AVE./NM-83/ E AVE. D, GO NORTH ON US-82 E./N. MAIN AVE. ±4.0 MILES, THENCE EAST (RIGHT) ON CR. 115/OWENS RD. ±2.1 MILES, THENCE SOUTH (RIGHT) ON LEASE RD. ±1.0 MILES, THENCE EAST (LEFT) ON LEASE RD. ±0.5 MILES TO A POINT ±650 FEET NORTH OF THE LOCATION.



Michael Blake Brown, P.S. No. 18329
FEBRUARY 28, 2014