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District II
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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
(As Drilled)

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-37034		² Pool Code 53600		³ Pool Name San Lorenzo; Bone Spring	
⁴ Property Code 38521		⁵ Property Name MYOX 21 State Com			⁶ Well Number 8H
⁷ OGRID No. 229137		⁸ Operator Name COG Operating LLC			⁹ Elevation 3003' GR

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
D	21	25S	28E		660	North	330	West	Eddy

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
M	21	25S	28E		332	South	699	West	Eddy

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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.

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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 undivided mineral interest in the land including the proposed to stem 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.</p> <p><i>Stormi Davis</i> 8/8/16 Signature Date</p> <p>Stormi Davis Printed Name</p> <p>sdavis@concho.com E-mail Address</p>		
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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 belief.</p>		
	<p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p style="text-align: center;">REFER TO ORIGINAL PLAT</p> <p>Certificate Number</p>		



SURVEY CALCULATION PROGRAM

TARGET DETAILS

V1.00.02

OPERATOR:	Marbob Energy Corp.	Supervisors:	Joe Hargrove	TARGET N-S	Directional
WELL:	Myox 21 State 8H		Rick Mast	TARGET E-W	
LOCATION:	Eddy Co., NH		Nic Black	TARGET RADIUS	
JOB NUMBER:	WT-10417	COMMENTS:		TARGET DISPLACEMENT	
				TARGET CLOSURE	
				TARGET TVD	Horizontal
				DIP AZ	175.12
				DIP DEG UP+/DN-	0.00
				TARGET INCLINATION	90.00

DATE:	08/08/16	TIME:	8:10 AM
MINIMUM CURVATURE CALCULATION(S)(SPE-3362)			
SVY	MD	INC	TRUE
NUM	MD	INC	AZM

Gyro	MD	INC	TRUE	TVD	SECT	N-S	E-W	PROPOSED DIRECTION		DLS/	TARGET TRACKING		CLOSURE DIR	CLOSURE DISTANCE	BUILD RATE/ %100'	WALK RATE/ %100'
								175.12	76.27		TO CENTER	RIGHT(+)				
1	6205	7.0	176.4	6203.37	42.22	-35.81	76.78	5.86	471.63	7.91	7.91	-73.45	110.59	81.47	5.86	4.14
2	6237	11.0	200.4	6234.98	46.93	-40.62	75.84	16.89	440.02	-0.12	-0.12	-72.11	118.18	86.03	12.50	75.00
3	6269	14.9	193.2	6266.17	53.60	-47.49	73.83	13.17	408.83	7.79	7.79	-69.52	122.75	87.79	12.19	-22.50
4	6301	19.4	183.6	6296.74	62.78	-56.81	72.56	16.57	378.26			-67.46	128.06	92.15	14.06	-30.00
5	6332	23.0	177.7	6325.64	73.92	-68.01	72.48	13.49	349.36			-66.43	133.18	99.39	11.61	-19.03
6	6364	25.6	177.0	6354.80	87.08	-81.16	73.09	8.17	320.20			-65.92	137.99	109.22	8.12	-2.19
7	6396	28.7	178.5	6383.28	101.67	-95.75	73.65	9.92	291.72			-65.24	142.43	120.80	9.69	4.69
8	6428	31.2	178.6	6411.00	117.61	-111.72	74.06	7.81	264.00			-64.29	146.46	134.03	7.81	0.31
9	6459	33.9	179.5	6437.13	134.25	-128.39	74.33	8.85	237.87			-63.14	149.93	148.36	8.71	2.90
10	6491	36.6	175.8	6463.26	152.69	-146.83	75.11	10.75	211.74			-62.34	152.91	164.93	8.44	-11.56
11	6523	38.6	171.4	6488.62	172.20	-166.22	77.30	10.46	186.38			-62.88	155.06	183.32	6.25	-13.75
12	6554	40.7	170.0	6512.49	191.92	-185.74	80.50	7.36	162.51			-64.41	156.57	202.44	6.77	-4.52
13	6587	43.5	172.1	6536.97	213.98	-207.59	83.93	9.50	138.03			-65.97	157.99	223.92	8.48	6.36
14	6618	46.0	175.7	6558.99	235.79	-229.29	86.23	11.48	116.01			-66.42	159.39	244.97	8.06	11.61
15	6647	49.0	177.4	6578.58	257.16	-250.63	87.51	11.21	96.42			-65.87	160.75	265.47	10.34	5.86
16	6679	52.3	178.3	6598.87	281.88	-275.35	88.44	10.54	76.13			-64.69	162.19	289.20	10.31	2.81
17	6711	58.8	175.4	6616.96	308.23	-301.68	89.91	21.64	58.04			-63.92	163.40	314.79	20.31	-9.06
18	6743	65.8	174.6	6631.83	336.55	-329.88	92.39	21.99	43.17			-63.99	164.35	342.58	21.87	-2.50
19	6779	73.6	173.6	6644.31	370.28	-363.44	95.86	21.82	30.69			-64.60	165.22	375.87	21.67	-2.78
20	6810	78.0	173.3	6651.91	400.31	-393.29	99.29	14.22	23.09			-65.47	165.83	405.63	14.19	-0.97
21	6842	81.4	173.6	6657.63	431.78	-424.57	102.88	10.66	17.37			-66.39	166.38	436.85	10.62	0.94
22	6874	84.0	173.5	6661.70	463.50	-456.10	106.44	8.13	13.30			-67.26	166.86	468.36	8.13	-0.31
23	6906	84.7	174.2	6664.85	495.34	-487.76	109.86	3.09	10.15			-67.96	167.31	499.98	2.19	2.19
24	6937	85.0	175.3	6667.63	526.21	-518.51	112.68	3.66	7.37			-68.16	167.74	530.61	0.97	3.55
25	6969	85.4	176.0	6670.31	558.10	-550.30	115.10	2.51	4.69			-67.87	168.19	562.21	1.25	2.19
26	7001	87.2	177.6	6672.37	590.02	-582.19	116.88	7.52	2.63			-66.93	168.65	593.80	5.62	5.00



SURVEY CALCULATION PROGRAM

V1.00.02

TARGET DETAILS

OPERATOR:	Marbob Energy Corp.	Supervisors:	Joe Hargrove
WELL:	Myox 21 State 8H		
LOCATION:	Eddy Co., NM		Rick Mast
JOB NUMBER:	WT-10417		Nic Black

DATE:	08/08/16	TIME:	8:10 AM
COMMENTS:			
MAG DEC (+/+)		7.91	
GRID CORR (+/+)		-0.12	
TOTAL CORR (+/+)		7.79	

MINIMUM CURVATURE CALCULATIONS(SPE-3362)	PROPOSED DIRECTION	175.12	TARGET TRACKING		TARGET INCLINATION	
			TO CENTER			
			ABOVE(+)	RIGHT(+)	CLOSURE DIR (DEG AZ)	CLOSURE DISTANCE (FEET)
			BELOW(-)	LEFT(-)		

SVY NUM	MD	INC	TRUE AZM	TVD	SECT	N-S	E-W	DLS/100	TARGET TRACKING		CLOSURE DIR (DEG AZ)	CLOSURE DISTANCE (FEET)	BUILD RATE/100'	WALK RATE/100'
27	7032	88.8	177.1	6673.45	620.97	-613.13	118.31	5.41	1.55	-65.73	169.08	624.44	5.16	-1.61
28	7064	88.3	176.4	6674.26	652.95	-645.07	120.13	2.69	0.74	-64.82	169.45	656.16	-1.56	-2.19
29	7127	89.7	175.4	6675.36	715.93	-707.90	124.63	2.73	-0.36	-63.96	170.01	718.78	2.22	-1.59
30	7222	88.0	174.7	6677.27	810.91	-802.52	132.83	1.94	-2.27	-64.07	170.60	813.44	-1.79	-0.74
31	7318	88.0	173.7	6680.62	906.84	-897.97	142.52	1.04	-5.62	-65.62	170.98	909.21	0.00	-1.04
32	7381	89.7	175.3	6681.88	969.82	-960.66	148.56	3.71	-6.88	-66.30	171.21	972.08	2.70	2.54
33	7445	89.7	175.8	6682.22	1033.81	-1024.47	153.52	0.78	-7.22	-65.82	171.48	1035.91	0.00	0.78
34	7509	88.3	174.2	6683.34	1097.80	-1088.21	159.10	3.32	-8.34	-65.95	171.68	1099.78	-2.19	-2.50
35	7604	89.6	173.6	6685.08	1192.76	-1182.65	169.19	1.51	-10.08	-67.97	171.86	1194.70	1.37	-0.63
36	7667	90.4	174.4	6685.08	1255.75	-1245.31	175.78	1.80	-10.08	-69.20	171.97	1257.65	1.27	1.27
37	7730	90.9	175.7	6684.36	1318.74	-1308.07	181.21	2.21	-9.36	-69.28	172.11	1320.56	0.79	2.06
38	7794	90.4	177.2	6683.64	1382.72	-1371.94	185.18	2.47	-8.64	-67.80	172.31	1384.38	-0.78	2.34
39	7857	90.5	176.1	6683.14	1445.69	-1434.83	188.86	1.75	-8.14	-66.11	172.50	1447.20	0.16	-1.75
40	7921	89.3	176.0	6683.25	1509.68	-1498.67	193.27	1.88	-8.25	-65.07	172.65	1511.09	-1.87	-0.16
41	7984	89.4	176.4	6683.97	1572.67	-1561.53	197.44	0.65	-8.97	-63.89	172.79	1573.97	0.16	0.63
42	8048	89.9	175.9	6684.36	1636.66	-1625.39	201.74	1.10	-9.36	-62.74	172.92	1637.86	0.78	-0.78
43	8111	89.4	177.1	6684.74	1699.64	-1688.27	205.58	2.06	-9.74	-61.22	173.06	1700.74	-0.79	1.90
44	8175	88.2	177.2	6686.08	1763.58	-1752.17	208.77	1.88	-11.08	-58.95	173.21	1764.56	-1.87	0.16
45	8238	88.1	177.4	6688.12	1828.50	-1815.07	211.73	0.35	-13.12	-56.56	173.35	1827.38	-0.16	0.32
46	8301	88.8	176.1	6689.82	1889.45	-1877.94	215.30	2.34	-14.82	-54.77	173.46	1890.24	1.11	-2.06
47	8365	89.6	177.2	6690.72	1953.42	-1941.83	219.04	2.13	-15.72	-53.06	173.56	1954.14	1.25	1.72
48	8428	90.8	179.0	6690.50	2016.33	-2004.79	221.13	3.43	-15.50	-49.78	173.71	2016.95	1.90	2.86
49	8492	90.1	178.4	6689.99	2080.20	-2068.77	222.58	1.44	-14.99	-45.79	173.86	2080.71	-1.09	-0.94
50	8555	89.1	178.5	6690.43	2143.09	-2131.74	224.29	1.60	-15.43	-42.13	173.99	2143.51	-1.59	0.16
51	8619	88.6	176.7	6691.72	2207.02	-2195.67	226.97	2.92	-16.72	-39.36	174.10	2207.37	-0.78	-2.81
52	8682	89.2	175.8	6692.93	2269.99	-2258.52	231.09	1.72	-17.93	-38.12	174.16	2270.31	0.95	-1.43
53	8745	89.4	175.6	6693.70	2332.99	-2321.34	236.81	0.45	-18.70	-37.48	174.20	2333.29	0.32	-0.32



SURVEY CALCULATION PROGRAM

TARGET DETAILS

v1.00.02

OPERATOR:	Marbob Energy Corp.	Supervisors:	Joe Hargrove	TARGET N-S	Directional
WELL:	Myox 21 State 8H		Rick Mast	TARGET E-W	
LOCATION:	Eddy Co., NM		Nic Black	TARGET RADIUS	
JOB NUMBER:	WT-10417	COMMENTS:		TARGET DISPLACEMENT	
				TARGET CLOSURE	

DATE:	08/08/16	TIME:	8:10 AM	MAG DEC. (+/-)	7.91	TARGET TVD	Horizontal	6675.00
				GRID CORR. (+/-)	-0.12	DIP AZ		175.12
				TOTAL CORR. (+/-)	7.79	DIP DEG UP+DN.		0.00
						TARGET INCLINATION		90.00

MINIMUM CURVATURE CALCULATIONS(SPE-3362)

SVY NUM	MD	INC	TRUE AZM	TVD	SECT	N-S	E-W	DLS/100		TARGET TRACKING TO CENTER		CLOSURE DIR (DEG AZ)	CLOSURE DISTANCE (FEET)	BUILD RATE/100'	WALK RATE/100'
								175.12	100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)				
54	8841	89.9	174.7	6694.28	2428.98	-2416.99	243.92	1.07	-19.28	-37.43	174.24	2429.27	0.52	-0.94	
55	8936	92.2	176.9	6692.54	2523.95	-2511.71	250.88	3.35	-17.54	-36.30	174.30	2524.21	2.42	2.32	
56	9031	90.2	176.4	6690.55	2618.89	-2606.52	256.43	2.17	-15.55	-33.77	174.38	2619.11	-2.11	-0.53	
57	9126	88.9	176.0	6691.30	2713.87	-2701.31	262.73	1.43	-16.30	-31.98	174.44	2714.06	-1.37	-0.42	
58	9221	89.2	176.9	6692.87	2808.83	-2796.11	266.61	1.00	-17.87	-29.77	174.51	2808.98	0.32	0.95	
59	9316	89.2	176.7	6694.20	2903.78	-2890.96	273.91	0.21	-19.20	-26.99	174.59	2903.90	0.00	-0.21	
60	9411	88.9	176.4	6695.78	2998.73	-2985.77	279.63	0.45	-20.78	-24.62	174.65	2998.84	-0.32	-0.32	
61	9507	87.9	175.5	6698.46	3094.68	-3081.49	286.40	1.40	-23.46	-23.23	174.69	3094.77	-1.04	-0.94	
62	9602	88.0	175.8	6701.85	3189.62	-3176.16	293.60	0.33	-26.85	-22.35	174.72	3189.70	0.11	0.32	
63	9697	88.2	174.5	6705.00	3284.56	-3270.76	301.63	1.38	-30.00	-22.30	174.73	3284.64	0.21	-1.37	
64	9729	88.6	175.0	6705.90	3316.55	-3302.61	304.56	2.00	-30.90	-22.50	174.73	3316.63	1.25	1.56	
65	9792	89.5	175.3	6706.94	3379.54	-3365.38	309.88	1.51	-31.94	-22.47	174.74	3379.62	1.43	0.48	
66	9856	89.9	173.6	6707.28	3443.53	-3429.08	316.07	2.73	-32.28	-23.22	174.73	3443.61	0.62	-2.66	
67	9919	89.4	173.8	6707.66	3506.51	-3491.69	322.99	0.85	-32.66	-24.78	174.72	3506.60	-0.79	0.32	
68	9983	88.1	173.0	6709.06	3570.47	-3555.25	330.34	2.38	-34.06	-26.70	174.69	3570.57	-2.03	-1.25	
69	10110	88.6	174.6	6712.72	3697.38	-3681.45	344.05	1.32	-37.72	-29.63	174.66	3697.50	0.39	1.26	
70	10205	88.9	174.6	6714.79	3792.35	-3776.01	352.99	0.32	-39.79	-30.49	174.66	3792.47	0.32	0.00	
71	10363	88.7	175.4	6718.10	3950.31	-3933.37	366.76	0.52	-43.10	-30.82	174.67	3950.43	-0.13	0.51	
72	10458	89.1	175.6	6719.92	4045.29	-4028.06	374.21	0.47	-44.92	-30.19	174.69	4045.41	0.42	0.21	
73	10553	89.6	173.6	6721.00	4140.28	-4122.63	383.15	2.17	-46.00	-31.05	174.69	4140.40	0.53	-2.11	
74	10647	89.4	171.1	6721.82	4234.16	-4215.78	396.66	2.67	-46.82	-35.59	174.64	4234.31	-0.21	-2.66	
PBHL	10695	89.4	171.1	6722.32	4282.04	-4263.20	403.09	0.00	-47.32	-38.96	174.60	4282.21	0.00	0.00	

PBTD 10/6/12