

Archer

Archer Directional Drilling Services.
911 Regional Park Drive
Houston, Texas 77060
Tel: 281-934-9600
Fax: 281-951-2101

COG Operating, LLC
One Concho Center
600 W. Illinois Avenue
Midland, Texas 79701

30-015-40543

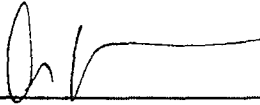
February 19, 2013

Re: COG Operating, LLC
Submarine 10 Fed Com 3H
Field: Red Bluff
Rig: United 40
Eddy County, New Mexico
API # 30-015-045430

Enclosed please find the original of the surveys performed on the referenced well by Archer Directional Drilling Services. Other information required by your office is as follows:

<u>Name & Title Of Surveyor</u>	<u>Wellhole Number</u>	<u>Survey Depths</u>	<u>Dates Performed</u>	<u>Type Survey</u>
Raul Lopez Field Engineer	Original Hole	4571-9894	12/31/12-01/16/13	MWD

If additional information is required, please contact the undersigned at the letterhead address and phone number.



Amador Baggerly
MWD Coordinator



Archer Directional Drilling Services.
911 Regional Park Drive
Houston, Texas 77060
Tel: 281-934-9800
Fax: 281-951-2101

MWD Survey Certification

State of New Mexico
County of Eddy

I, Amador Baggerly, certify that; I am employed by Archer Directional Drilling Services; that I did on the day(s) of 12/31/12 through 01/16/13, conduct or supervise the taking of MWD surveys from a depth of 4571 feet to a depth of 9894 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Archer Directional Drilling Services; that I am authorized and qualified to make this report; that these surveys were conducted at the request of COG Operating, LLC for the Submarine 10 Fed Com 3H (API # 30-015-045430), Well located in Eddy County, New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Archer Directional Drilling Services.

A handwritten signature in black ink, appearing to read "Amador Baggerly", written over a horizontal line.

Amador Baggerly
MWD Coordinator



Company: COG Operating, LLC

Job Number:

04025-433-22

Calculation Method

Minimum Curvature

Well: Submarine 10 Fed Com 3H

Mag Decl.:

7.75

Proposed Azimuth

268.8

Location: Eddy County, New Mexico

Dir Driller:

Cody Styles

Depth Reference

KBG

Rig: UDI #40

MWD Eng:

Raul Lopez

Tie Into: Previous MWD Survey

Job Date: 12/31/12 - 01/16/13

Survey Number	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)	Direction Azimuth			
Tie In	4530.00	0.27	39.05	0	4529.48	43.29	14.66 S	43.61 E	0.00	0.00	0	0	0
1	4571	0.0	160.3	41	4570.48	-43.36	14.58 S	43.67 E	46.04	108.47	0.66	-0.66	295.73
2	4602	0.1	247.5	31	4601.48	-43.33	14.60 S	43.65 E	46.02	108.49	0.32	0.32	281.29
3	4634	0.9	261.0	32	4633.48	-43.06	14.65 S	43.37 E	45.78	108.66	2.51	2.50	42.19
4	4666	2.7	263.1	32	4665.46	-42.06	14.78 S	42.38 E	44.88	109.22	5.63	5.63	6.56
5	4698	4.9	260.0	32	4697.39	-39.96	15.10 S	40.28 E	43.02	110.55	6.90	6.88	-9.69
6	4729	7.2	260.4	31	4728.21	-36.73	15.66 S	37.06 E	40.23	112.90	7.42	7.42	1.29
7	4761	9.7	264.3	32	4759.86	-32.05	16.26 S	32.40 E	36.25	116.65	8.01	7.81	12.19
8	4793	12.6	266.3	32	4791.26	-25.88	16.75 S	26.23 E	31.13	122.56	9.14	9.06	6.25
9	4824	16.1	266.0	31	4821.29	-18.20	17.27 S	18.57 E	25.36	132.92	11.29	11.29	-0.97
10	4856	19.6	265.2	32	4851.74	-8.41	18.03 S	8.79 E	20.06	154.01	10.96	10.94	-2.50
11	4888	22.7	263.5	32	4881.58	3.10	19.18 S	2.69 W	19.37	188.00	9.87	9.69	-5.31
12	4919	25.9	262.0	31	4909.83	15.78	20.80 S	15.35 W	25.85	216.42	10.51	10.32	-4.84
13	4951	29.1	260.4	32	4938.21	30.42	23.07 S	29.94 W	37.80	232.39	10.26	10.00	-5.00
14	4983	32.4	259.8	32	4965.71	46.59	25.89 S	46.06 W	52.83	240.66	10.36	10.31	-1.87
15	5015	35.6	261.4	32	4992.24	64.30	28.80 S	63.71 W	69.92	245.68	10.38	10.00	5.00
16	5046	38.5	262.7	31	5016.98	82.84	31.37 S	82.21 W	87.99	249.11	9.69	9.35	4.19
17	5078	42.3	262.7	32	5041.34	103.46	34.01 S	102.77 W	108.25	251.69	11.88	11.88	0.00
18	5110	46.5	262.6	32	5064.20	125.72	36.87 S	124.97 W	130.30	253.56	13.13	13.13	-0.31
19	5142	49.8	262.9	32	5085.55	149.42	39.88 S	148.62 W	153.87	254.98	10.34	10.31	0.94
20	5173	53.6	263.0	31	5104.75	173.62	42.86 S	172.76 W	177.99	256.07	12.26	12.26	0.32
21	5205	57.1	263.0	32	5122.95	199.80	46.07 S	198.88 W	204.15	256.96	10.94	10.94	0.00
22	5237	60.8	262.8	32	5139.45	227.07	49.46 S	226.08 W	231.43	257.66	11.57	11.56	-0.62
23	5268	64.7	262.2	31	5153.64	254.45	53.06 S	253.40 W	258.89	258.17	12.70	12.58	-1.94
24	5300	68.3	261.8	32	5166.40	283.59	57.14 S	282.45 W	288.18	258.56	11.31	11.25	-1.25
25	5332	71.9	261.4	32	5177.29	313.44	61.54 S	312.22 W	318.22	258.85	11.31	11.25	-1.25
26	5364	75.4	261.7	32	5186.29	343.89	66.05 S	342.58 W	348.89	259.09	10.97	10.94	0.94
27	5395	79.0	262.1	31	5193.16	373.90	70.31 S	372.51 W	379.08	259.31	11.68	11.61	1.29
28	5427	83.0	262.1	32	5198.17	405.28	74.65 S	403.81 W	410.65	259.53	12.50	12.50	0.00
29	5459	87.1	261.0	32	5200.93	436.90	79.34 S	435.33 W	442.50	259.67	13.26	12.81	-3.44
30	5491	90.4	261.0	32	5201.63	468.59	84.34 S	466.93 W	474.48	259.76	10.31	10.31	0.00
31	5586	91.1	260.9	95	5200.38	562.69	99.28 S	560.74 W	569.46	259.96	0.74	0.74	-0.11
32	5681	91.1	262.8	95	5198.56	656.97	112.75 S	654.76 W	664.39	260.23	2.00	0.00	2.00
33	5776	91.6	264.6	95	5196.32	751.57	123.17 S	749.15 W	759.21	260.66	1.97	0.53	1.89
34	5871	92.3	266.2	95	5193.09	846.34	130.78 S	843.79 W	853.86	261.19	1.84	0.74	1.68
35	5966	92.0	268.4	95	5189.52	941.23	135.25 S	938.61 W	948.30	261.80	2.34	-0.32	2.32
36	6061	92.3	270.1	95	5185.96	1036.16	136.50 S	1033.53 W	1042.50	262.48	1.82	0.32	1.79
37	6157	90.3	271.6	96	5183.78	1132.07	135.07 S	1129.49 W	1137.53	263.18	2.60	-2.08	1.56



Company: COG Operating, LLC

Job Number:

04025-433-22

Calculation Method

Minimum Curvature

Well: Submarine 10 Fed Com 3H

Mag Decl.:

7.75

Proposed Azimuth

268.8

Location: Eddy County, New Mexico

Dir Driller:

Cody Styles

Depth Reference

KBG

Rig: UDI #40

MWD Eng:

Raul Lopez

Tie Into: Previous MWD Survey

Job Date: 12/31/12 - 01/16/13

Survey Number	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)	Direction Azimuth			
38	6252	90.4	272.0	95	5183.20	1226.94	132.09 S	1224.44 W	1231.54	263.84	0.43	0.11	0.42
39	6347	91.3	271.8	95	5181.79	1321.79	128.94 S	1319.37 W	1325.66	264.42	0.97	0.95	-0.21
40	6442	90.0	272.2	95	5180.71	1416.63	125.62 S	1414.31 W	1419.88	264.92	1.43	-1.37	0.42
41	6537	89.6	272.9	95	5181.04	1511.42	121.40 S	1509.21 W	1514.09	265.40	0.85	-0.42	0.74
42	6632	89.8	273.8	95	5181.54	1606.12	115.85 S	1604.05 W	1608.23	265.87	0.97	0.21	0.95
43	6727	89.8	273.3	95	5181.87	1700.79	109.96 S	1698.86 W	1702.42	266.30	0.53	0.00	-0.53
44	6822	91.2	272.1	95	5181.04	1795.57	105.49 S	1793.75 W	1796.85	266.63	1.94	1.47	-1.26
45	6917	90.3	270.0	95	5179.80	1890.48	103.75 S	1888.72 W	1891.57	266.86	2.40	-0.95	-2.21
46	7012	90.4	269.3	95	5179.22	1985.47	104.33 S	1983.72 W	1986.46	266.99	0.74	0.11	-0.74
47	7108	91.4	269.1	96	5177.71	2081.45	105.67 S	2079.69 W	2082.38	267.09	1.06	1.04	-0.21
48	7203	91.9	268.9	95	5174.98	2176.41	107.33 S	2174.64 W	2177.29	267.17	0.57	0.53	-0.21
49	7298	91.7	269.5	95	5171.99	2271.36	108.65 S	2269.58 W	2272.18	267.26	0.67	-0.21	0.63
50	7393	91.9	270.0	95	5169.01	2366.30	109.07 S	2364.54 W	2367.05	267.36	0.57	0.21	0.53
51	7487	89.3	269.3	94	5168.02	2460.28	109.64 S	2458.52 W	2460.96	267.45	2.86	-2.77	-0.74
52	7582	88.9	267.9	95	5169.52	2555.26	111.96 S	2553.48 W	2555.93	267.49	1.53	-0.42	-1.47
53	7677	89.0	266.2	95	5171.26	2650.20	116.85 S	2648.33 W	2650.91	267.47	1.79	0.11	-1.79
54	7772	89.1	266.4	95	5172.83	2745.09	122.98 S	2743.12 W	2745.88	267.43	0.24	0.11	0.21
55	7868	89.5	266.3	96	5174.01	2841.00	129.09 S	2838.92 W	2841.85	267.40	0.43	0.42	-0.10
56	7963	89.4	266.1	95	5174.92	2935.90	135.39 S	2933.71 W	2936.83	267.36	0.24	-0.11	-0.21
57	8058	89.5	266.1	95	5175.83	3030.79	141.85 S	3028.48 W	3031.80	267.32	0.11	0.11	0.00
58	8153	90.5	266.7	95	5175.83	3125.70	147.81 S	3123.29 W	3126.79	267.29	1.23	1.05	0.63
59	8248	91.5	267.7	95	5174.17	3220.65	152.45 S	3218.16 W	3221.77	267.29	1.49	1.05	1.05
60	8344	92.3	268.4	96	5170.99	3316.59	155.72 S	3314.05 W	3317.71	267.31	1.11	0.83	0.73
61	8439	92.0	270.1	95	5167.42	3411.51	156.96 S	3408.97 W	3412.58	267.36	1.82	-0.32	1.79
62	8534	90.7	271.7	95	5165.19	3506.42	155.47 S	3503.93 W	3507.38	267.46	2.17	-1.37	1.68
63	8629	91.1	272.4	95	5163.69	3601.25	152.07 S	3598.86 W	3602.07	267.58	0.85	0.42	0.74
64	8724	92.3	272.2	95	5160.88	3696.03	148.26 S	3693.74 W	3696.71	267.70	1.28	1.26	-0.21
65	8819	92.0	272.9	95	5157.31	3790.76	144.03 S	3788.57 W	3791.31	267.82	0.80	-0.32	0.74
66	8914	91.3	272.6	95	5154.58	3885.49	139.48 S	3883.43 W	3885.93	267.94	0.80	-0.74	-0.32
67	9009	92.0	272.2	95	5151.84	3980.27	135.50 S	3978.30 W	3980.61	268.05	0.85	0.74	-0.42
68	9104	92.6	272.9	95	5148.03	4074.99	131.28 S	4073.13 W	4075.25	268.15	0.97	0.63	0.74
69	9199	92.7	273.5	95	5143.64	4169.60	125.98 S	4167.88 W	4169.78	268.27	0.64	0.11	0.63
70	9294	91.3	271.5	95	5140.32	4264.34	121.84 S	4262.73 W	4264.47	268.36	2.57	-1.47	-2.11
71	9389	91.3	271.6	95	5138.16	4359.21	119.27 S	4357.67 W	4359.30	268.43	0.11	0.00	0.11
72	9484	91.3	271.9	95	5136.01	4454.06	116.37 S	4452.60 W	4454.12	268.50	0.32	0.00	0.32
73	9579	91.4	272.1	95	5133.77	4548.88	113.06 S	4547.51 W	4548.92	268.58	0.24	0.11	0.21
74	9675	91.6	271.9	96	5131.26	4644.70	109.71 S	4643.42 W	4644.72	268.65	0.29	0.21	-0.21
75	9770	91.7	271.7	95	5128.52	4739.53	106.73 S	4738.33 W	4739.54	268.71	0.24	0.11	-0.21
76	9835	91.7	271.8	65	5126.59	4804.42	104.74 S	4803.28 W	4804.42	268.75	0.15	0.00	0.15

Archer

Company: COG Operating, LLC

Job Number:

04025-433-22

Calculation Method

Minimum Curvature

Well: Submarine 10 Fed Com 3H

Mag Decl.:

7.75

Proposed Azimuth

268.8

Location: Eddy County, New Mexico

Dir Driller:

Cody Styles

Depth Reference

KBG

Rig: UDI #40

MWD Eng:

Raul Lopez

Tie Into: Previous MWD Survey

Job Date: 12/31/12 - 01/16/13

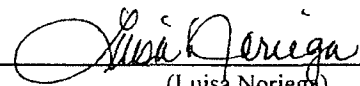
Survey Number	Survey Depth (ft)	Inclina- tion (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth			
Proj.	9894	91.7	271.8	59	5124.84	4863.31	102.89 S	4862.22 W	4863.31	268.79	0.00	0.00	0.00

WELL NAME AND NUMBER Submarine 10 Federal Com 3H
LOCATION Section 10, T17S, R29E, Lot H, 1605 FNL, 85 FEL, Eddy County
OPERATOR COG Operating LLC
DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation test and obtained the following results:

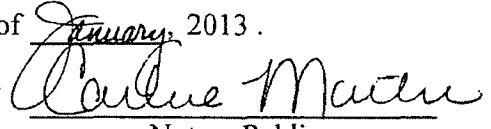
Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
.6° @ 142'		
.6° @ 265'		
1.5° @ 575'		
2.1° @ 821'		
2.0° @ 944'		
2° @ 1159'		
1° @ 1308'		
.6° @ 1623'		
.9° @ 2062'		
.4° @ 2505'		
.2° @ 2950'		
.7° @ 3394'		
.6° @ 3838'		
.5° @ 4282'		

Drilling Contractor- UNITED DRILLING, INC.

By: 
(Luisa Noriega)

Title: Asst. Office Manager

Subscribed and sworn to before me this 21st day of January, 2013.


Notary Public
Charles Lee Mexico
County _____ State _____

My Commission Expires: 10/8/14



A GYRO TECHNOLOGIES INC. COMPANY

PO Box 261021
Corpus Christi, Texas 78426
(361) 767-0602 • (800) 606-GYRO • Fax (361) 767-0612

January 8, 2013

Concho Resources, Inc.
One Concho Center
600 W. Illinois Avenue
Midland, Texas 79701

Attn: Kanicia Castillo

RE: **Submarine 10 Federal Com No. 003H**

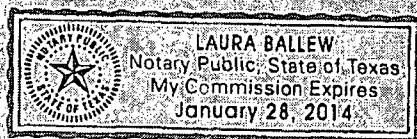
Please find enclosed a copy of the survey from 0'00' to 4530'00' ran on the above referenced well.

Sincerely,


Keith Havelka
Operations

STATE OF TEXAS §
§
COUNTY OF NUECES §

This instrument was acknowledged before me on the 8th day of January
A.D., 2013, by Keith Havelka.




Laura Balley
Notary Public, State of Texas

Company: COG Operating LLC (Concho)
Lease/Well: Submarine 10 Federal Com / No. 003H



Rig Name: UDI #40
State/County: New Mexico / Eddy
Latitude: 32.85, Longitude: -104.05
GRID North is 0.15 Degrees East of True North
VS-Azi: 0.00 Degrees



Depth Reference : RKB = 14'

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ...10 fed com #3h gyro survey.ut

Minimum Curvature Method

Report Date/Time: 1/8/2013 / 09:30

Vaughn Energy Services

Midland, Texas

432-563-5444

Surveyor: Logan Henry

Submarine 10 Federal Com No. 003H / API 30-015-40543

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.30	125.54	100.00	-0.15	0.21	-0.15	0.26	125.54	0.30
200.00	0.60	126.50	200.00	-0.62	0.85	-0.62	1.05	126.02	0.30
300.00	1.54	141.04	299.98	-1.97	2.11	-1.97	2.89	133.04	0.97
400.00	1.55	152.65	399.94	-4.22	3.58	-4.22	5.53	139.69	0.31
500.00	1.53	134.62	499.91	-6.35	5.15	-6.35	8.18	140.99	0.48
600.00	1.71	123.26	599.87	-8.11	7.34	-8.11	10.94	137.83	0.37
700.00	2.02	115.29	699.81	-9.68	10.18	-9.68	14.05	133.54	0.40
800.00	2.09	113.92	799.75	-11.17	13.44	-11.17	17.48	129.72	0.09
900.00	2.01	113.32	899.69	-12.61	16.73	-12.61	20.95	127.00	0.08
1000.00	1.71	108.52	999.63	-13.78	19.76	-13.78	24.08	124.89	0.34
1100.00	1.56	99.87	1099.59	-14.48	22.51	-14.48	26.77	122.76	0.29
1200.00	0.92	105.22	1199.57	-14.93	24.63	-14.93	28.80	121.22	0.65
1300.00	0.90	79.06	1299.56	-14.99	26.18	-14.99	30.17	119.80	0.41
1400.00	0.78	98.20	1399.55	-14.94	27.62	-14.94	31.41	118.41	0.30
1500.00	0.65	103.36	1499.54	-15.17	28.85	-15.17	32.60	117.73	0.15
1600.00	0.67	110.99	1599.53	-15.51	29.95	-15.51	33.73	117.38	0.09
1700.00	0.58	113.62	1699.52	-15.92	30.96	-15.92	34.81	117.21	0.09
1800.00	0.39	102.19	1799.52	-16.19	31.75	-16.19	35.64	117.02	0.21

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1900.00	0.45	95.76	1899.52	-16.31	32.48	-16.31	36.34	116.66	0.08
2000.00	0.53	91.46	1999.51	-16.36	33.33	-16.36	37.13	116.14	0.09
2100.00	0.56	97.92	2099.51	-16.44	34.28	-16.44	38.02	115.62	0.07
2200.00	0.41	92.19	2199.51	-16.52	35.12	-16.52	38.81	115.19	0.16
2300.00	0.30	89.45	2299.50	-16.53	35.74	-16.53	39.37	114.82	0.11
2400.00	0.50	83.25	2399.50	-16.47	36.43	-16.47	39.98	114.33	0.21
2500.00	0.47	74.71	2499.50	-16.31	37.26	-16.31	40.68	113.64	0.08
2600.00	0.51	86.95	2599.49	-16.18	38.10	-16.18	41.40	113.01	0.11
2700.00	0.44	76.27	2699.49	-16.07	38.92	-16.07	42.11	112.43	0.11
2800.00	0.27	54.07	2799.49	-15.84	39.48	-15.84	42.54	111.85	0.22
2900.00	0.17	35.11	2899.49	-15.57	39.76	-15.57	42.70	111.39	0.12
3000.00	0.17	29.60	2999.49	-15.32	39.93	-15.32	42.76	110.99	0.02
3100.00	0.28	62.18	3099.49	-15.07	40.22	-15.07	42.95	110.54	0.17
3200.00	0.31	41.51	3199.49	-14.75	40.62	-14.75	43.21	109.96	0.11
3300.00	0.27	71.18	3299.49	-14.47	41.02	-14.47	43.50	109.44	0.15
3400.00	0.09	115.29	3399.48	-14.43	41.31	-14.43	43.76	109.26	0.21
3500.00	0.08	77.60	3499.48	-14.45	41.45	-14.45	43.90	109.22	0.06
3600.00	0.10	72.39	3599.48	-14.41	41.60	-14.41	44.02	109.11	0.02
3700.00	0.42	68.66	3699.48	-14.25	42.02	-14.25	44.37	108.74	0.32
3800.00	0.23	134.00	3799.48	-14.26	42.50	-14.26	44.83	108.54	0.39
3900.00	0.16	48.86	3899.48	-14.31	42.75	-14.31	45.08	108.50	0.26
4000.00	0.31	89.84	3999.48	-14.22	43.12	-14.22	45.40	108.25	0.21
4100.00	0.34	133.30	4099.48	-14.42	43.60	-14.42	45.92	108.30	0.24
4200.00	0.27	260.48	4199.48	-14.66	43.58	-14.66	45.98	108.59	0.55
4300.00	0.15	30.83	4299.48	-14.58	43.42	-14.58	45.80	108.57	0.39
4400.00	0.23	191.84	4399.48	-14.67	43.44	-14.67	45.85	108.65	0.38
4500.00	0.20	43.80	4499.48	-14.74	43.52	-14.74	45.95	108.71	0.41
4530.00	0.27	39.05	4529.48	-14.65	43.60	-14.65	46.00	108.57	0.24

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, New Mexico 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-40543	Pool Code 97917	Pool Name Dodd;Glorieta-Upper Yeso
Property Code 39252	Property Name SUBMARINE 10 FEDERAL COM.	Well Number 3H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3627'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	10	17-S	29-E		1605	NORTH	85	EAST	EDDY

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
E	10	17-S	29-E		1708	NORTH	342	WEST	EDDY
Dedicated Acres 160	Joint or Infill	Consolidation Code	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

CORNER COORDINATES TABLE ① - Y=674001.8 N, X=580629.2 E ② - Y=674009.3 N, X=585916.2 E ③ - Y=672681.7 N, X=580629.9 E ④ - Y=672688.7 N, X=585919.9 E GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=673725.0 N X=585832.0 E LAT.=32.851842° N LONG.=104.053837° W BOTTOM HOLE LOCATION Y=673672.5 N X=580959.3 E		OPERATOR CERTIFICATION I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. 9/18/13 Signature Date Printed Name Kanicia Castillo E-mail Address kcastillo@concho.com
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 and correct to the best of my belief. DECEMBER 3, 2011 Date of Survey Signature & Seal of Professional Surveyor: Certificate Number Ronald J. Eidson 12641 AF WSC W.O.: 11.11.2274		