

Results of Directional Survey

API number:	30-025-41777			
OGRID:		Operator:	COG PRODUCTION, LLC	
		Property:	TREASURE ISLAND FEDERAL	# 2H

surface	ULSTR:	O	23	T 24S	R 32E
				190 FSL	1840 FEL

BH Loc	ULSTR:	B	23	T 24S	R 32E
15665 MD	MD	10961.0	TVD	330 FNL	1825 FEL
4950 FSL					

Top Perf/OH	ULSTR:	O	23	T 24S	R 32E
11238 MD	MD	11033.3	TVD	513 FSL	1871 FEL

Bot Perf/OH	ULSTR:	B	23	T 24S	R 32E
15595 MD	MD	10959.4	TVD	394 FNL	1823 FEL
4886 FSL					

	MD	N/S	E/W	VD
	11207	293.59	-31.23	11024.85
TOP PERFS/OH	11238	323.40	-30.61	11033.28
	11238	323.40	-30.61	11033.28
	15583	4696.09	16.84	10959.10
BOT PERFS/OH	15595	4696.09	16.64	10959.35
	15614	4696.09	16.32	10959.75

NEXT TO LAST	15614.00	4696.09	16.32	10959.75
LAST READING	15655.00	4747.08	15.43	10960.73
TD	15665	4759.52	15.21	10960.97

Surface Location	190	FS	1840	FE
Projected BHL	4950	FS	1825	FE
Location of				
Top Perfs/OH	513	FS	1871	FE
Bottom Perfs/OH	4886	FS	1823	FE

SUMMARY of Subsurface Locations

Surface Location	O-23-24S-32E	190	FS	1840	FE	Vert. Depth
Top Perfs/OH	O-23-24S-32E	513	FS	1871	FE	11033.28
Bottom Perfs/OH	B-23-24S-32E	4886	FS	1823	FE	10959.35
Projected TD	B-23-24S-32E	4950	FS	1825	FE	10960.97

OCT 30 2014

OPERATOR COG Operating
WELL/LEASE Treasure Island Federal #2-H
COUNTY Lea Co., NM

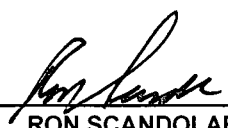
STATE OF NEW MEXICO
DEVIATION REPORT

243	0.40
550	0.80
850	0.20
1182	1.60
1206	2.30
1267	2.00
1542	1.50
1825	1.70
2109	1.80
2392	0.40
2675	0.90
2959	1.30
3808	1.80
4091	1.30
4659	3.30
4855	1.40
5118	0.40
5432	0.70
5758	0.40
6041	0.70
6578	0.60
7200	0.60
7805	0.90
8090	1.20
8691	1.30
9279	1.30
9743	3.30
9974	2.20
10136	1.70
10230	1.50
10452	1.50
10641	20.40

HOBBS OCD

OCT 27 2014

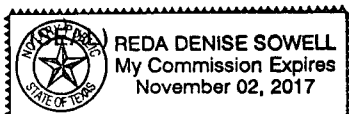
RECEIVED

SIGNED BY: 

RON SCANDOLARI, VP-CONTRACT DRILLING

STATE OF TEXAS
COUNTY OF MIDLAND

ON THIS 19 DAY OF August, 2014, BEFORE ME, R SOWELL, A NOTARY
PUBLIC, PERSONALLY APPEARED RON SCANDOLARI, WHO ACKNOWLEDGED AND EXECUTED
THIS DOCUMENT. WITNESS MY HAND AND OFFICIAL SEAL.



Reda Denise Sowell
NOTARY PUBLIC



July 24, 2014

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

HOBBS OCD

OCT 27 2014

RECEIVED

Attn: Kanicia Castillo

RE: **Treasure Island Federal No. 002H**

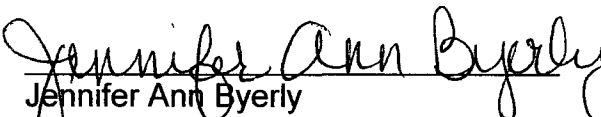
Please find enclosed a copy of the survey from 0.00' to 10380.00' ran on the above referenced well.

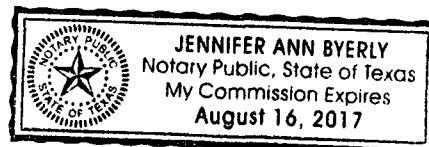
Sincerely,


Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 24 day of July,
A.D., 2014, by Keith Havelka.


Jennifer Ann Byerly
Notary Public, State of Texas



Company: COG OPERATING, LLC (CONCHO)
Lease/Well: TREASURE ISLAND FEDERAL/NO. 002H



Rig Name: BASIC #46
State/County: NEW MEXICO/LEA
Latitude: 32.21, Longitude: -103.64
GRID North is 0.37 Degrees East of True North
VS-Azi: 0.00 Degrees



Depth Reference : RKB= 22 FEET

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: gyro survey.ut
Minimum Curvature Method
Report Date/Time: 7/24/2014 / 10:35

VES Survey International
West Texas
432-563-5444

Surveyor: Jordan Shelleby
Treasure Island Federal No. 002H / API 30-025-41777

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	0.35	354.35	100.00	0.30	-0.03	0.30	0.31	354.35	0.35
200.00	0.09	324.27	200.00	0.67	-0.10	0.67	0.68	351.13	0.28
300.00	0.17	339.44	300.00	0.87	-0.20	0.87	0.89	347.02	0.09
400.00	0.49	266.99	400.00	0.98	-0.68	0.98	1.19	325.46	0.47
500.00	0.56	242.44	499.99	0.73	-1.54	0.73	1.71	295.46	0.24
600.00	0.53	204.18	599.99	0.08	-2.17	0.08	2.17	272.13	0.36
700.00	0.48	201.04	699.98	-0.74	-2.51	-0.74	2.62	253.61	0.06
800.00	0.69	195.97	799.98	-1.71	-2.83	-1.71	3.30	238.86	0.21
900.00	0.88	196.25	899.97	-3.02	-3.21	-3.02	4.41	226.69	0.20
1000.00	1.14	183.04	999.95	-4.75	-3.47	-4.75	5.89	216.17	0.34
1100.00	1.69	180.76	1099.92	-7.22	-3.55	-7.22	8.04	206.17	0.56
1200.00	2.04	193.29	1199.87	-10.43	-3.98	-10.43	11.16	200.87	0.54
1300.00	1.58	203.13	1299.82	-13.43	-4.93	-13.43	14.31	200.15	0.55
1400.00	1.57	212.66	1399.78	-15.85	-6.21	-15.85	17.03	201.39	0.26
1500.00	1.47	199.07	1499.75	-18.22	-7.37	-18.22	19.65	202.02	0.37
1600.00	1.59	209.12	1599.71	-20.64	-8.46	-20.64	22.31	202.29	0.30
1700.00	1.59	219.00	1699.67	-22.93	-10.01	-22.93	25.02	203.58	0.27
1800.00	1.53	202.27	1799.64	-25.24	-11.39	-25.24	27.69	204.28	0.46

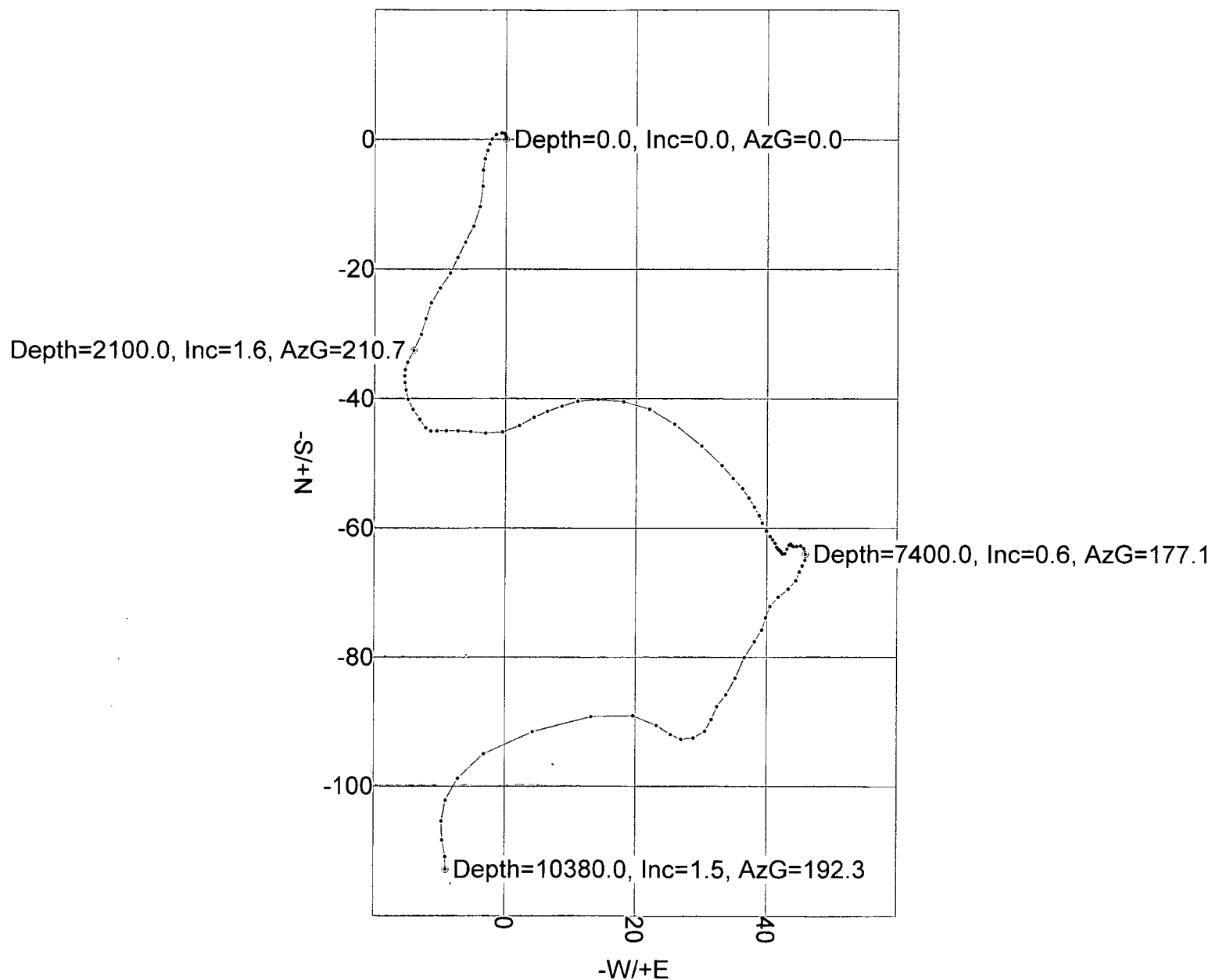
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1900.00	1.41	193.74	1899.61	-27.67	-12.18	-27.67	30.24	203.76	0.25
2000.00	1.51	197.97	1999.57	-30.13	-12.88	-30.13	32.77	203.15	0.15
2100.00	1.59	210.67	2099.54	-32.58	-14.00	-32.58	35.46	203.25	0.35
2200.00	0.81	201.75	2199.51	-34.42	-14.97	-34.42	37.54	203.50	0.80
2300.00	0.57	191.02	2299.51	-35.56	-15.32	-35.56	38.72	203.31	0.27
2400.00	0.56	180.94	2399.50	-36.54	-15.43	-36.54	39.66	202.89	0.10
2500.00	0.64	171.35	2499.50	-37.57	-15.35	-37.57	40.59	202.22	0.13
2600.00	0.66	171.05	2599.49	-38.69	-15.18	-38.69	41.56	201.42	0.03
2700.00	1.04	166.28	2699.48	-40.15	-14.87	-40.15	42.82	200.32	0.39
2800.00	1.03	140.41	2799.46	-41.73	-14.08	-41.73	44.04	198.65	0.46
2900.00	1.06	151.16	2899.45	-43.23	-13.06	-43.23	45.16	196.82	0.20
3000.00	0.76	138.75	2999.43	-44.54	-12.18	-44.54	46.17	195.30	0.35
3100.00	0.38	91.73	3099.43	-45.05	-11.41	-45.05	46.47	194.22	0.58
3200.00	0.71	87.11	3199.42	-45.02	-10.47	-45.02	46.23	193.09	0.33
3300.00	0.93	89.19	3299.41	-44.98	-9.04	-44.98	45.88	191.36	0.23
3400.00	1.10	93.10	3399.40	-45.02	-7.27	-45.02	45.61	189.17	0.18
3500.00	1.15	93.70	3499.38	-45.14	-5.31	-45.14	45.45	186.71	0.05
3600.00	1.46	98.77	3599.35	-45.40	-3.04	-45.40	45.50	183.83	0.33
3700.00	1.56	73.79	3699.32	-45.22	-0.47	-45.22	45.22	180.60	0.66
3800.00	1.66	64.15	3799.28	-44.21	2.13	-44.21	44.26	177.24	0.29
3900.00	1.30	55.79	3899.25	-42.94	4.37	-42.94	43.16	174.19	0.42
4000.00	1.30	74.96	3999.22	-42.00	6.41	-42.00	42.49	171.33	0.43
4100.00	1.44	65.33	4099.19	-41.19	8.64	-41.19	42.08	168.15	0.27
4200.00	1.45	79.99	4199.16	-40.44	11.04	-40.44	41.92	164.74	0.37
4300.00	2.12	87.66	4299.11	-40.14	14.13	-40.14	42.56	160.60	0.71
4400.00	2.46	101.36	4399.03	-40.49	18.09	-40.49	44.35	155.93	0.64
4500.00	2.35	111.40	4498.95	-41.66	22.10	-41.66	47.16	152.06	0.43
4600.00	2.83	129.60	4598.84	-43.98	25.91	-43.98	51.05	149.50	0.94
4700.00	3.29	128.88	4698.70	-47.36	30.05	-47.36	56.08	147.61	0.46
4800.00	1.67	144.71	4798.61	-50.35	33.12	-50.35	60.26	146.66	1.74
4900.00	1.33	133.35	4898.57	-52.33	34.81	-52.33	62.85	146.37	0.45
5000.00	1.12	141.24	4998.55	-53.89	36.26	-53.89	64.96	146.06	0.27
5100.00	0.90	153.09	5098.53	-55.35	37.23	-55.35	66.71	146.07	0.31
5200.00	0.95	146.35	5198.52	-56.74	38.05	-56.74	68.32	146.16	0.12
5300.00	0.78	154.29	5298.51	-58.05	38.80	-58.05	69.82	146.24	0.21
5400.00	0.70	161.64	5398.50	-59.24	39.29	-59.24	71.08	146.45	0.12
5500.00	0.85	144.69	5498.49	-60.42	39.91	-60.42	72.41	146.56	0.27
5600.00	0.37	153.81	5598.49	-61.31	40.48	-61.31	73.47	146.57	0.49
5700.00	0.37	125.18	5698.48	-61.78	40.88	-61.78	74.08	146.51	0.18

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
5800.00	0.44	163.82	5798.48	-62.33	41.25	-62.33	74.74	146.51	0.27
5900.00	0.34	153.94	5898.48	-62.96	41.48	-62.96	75.40	146.62	0.12
6000.00	0.13	114.86	5998.48	-63.28	41.72	-63.28	75.79	146.60	0.25
6100.00	0.19	128.32	6098.48	-63.43	41.95	-63.43	76.05	146.52	0.07
6200.00	0.08	161.52	6198.48	-63.60	42.11	-63.60	76.28	146.49	0.13
6300.00	0.12	144.57	6298.48	-63.76	42.19	-63.76	76.46	146.50	0.05
6400.00	0.27	142.95	6398.48	-64.04	42.40	-64.04	76.80	146.49	0.15
6500.00	0.38	39.38	6498.48	-63.97	42.76	-63.97	76.95	146.24	0.52
6600.00	0.54	12.99	6598.47	-63.26	43.07	-63.26	76.53	145.75	0.26
6700.00	0.32	46.56	6698.47	-62.61	43.38	-62.61	76.17	145.28	0.32
6800.00	0.08	120.93	6798.47	-62.45	43.64	-62.45	76.19	145.05	0.31
6900.00	0.22	156.59	6898.47	-62.66	43.78	-62.66	76.44	145.06	0.16
7000.00	0.25	98.15	6998.47	-62.87	44.07	-62.87	76.78	144.97	0.23
7100.00	0.34	78.08	7098.47	-62.84	44.58	-62.84	77.05	144.65	0.14
7200.00	0.34	87.49	7198.47	-62.77	45.18	-62.77	77.33	144.26	0.06
7300.00	0.50	155.02	7298.46	-63.15	45.66	-63.15	77.93	144.13	0.49
7400.00	0.56	177.13	7398.46	-64.03	45.87	-64.03	78.77	144.38	0.21
7500.00	0.53	191.54	7498.45	-64.98	45.80	-64.98	79.50	144.82	0.14
7600.00	0.55	217.62	7598.45	-65.81	45.42	-65.81	79.96	145.39	0.24
7700.00	0.72	194.86	7698.44	-66.79	44.96	-66.79	80.52	146.05	0.30
7800.00	0.92	205.52	7798.43	-68.12	44.46	-68.12	81.34	146.87	0.25
7900.00	1.15	233.23	7898.42	-69.44	43.31	-69.44	81.84	148.05	0.54
8000.00	1.14	228.74	7998.40	-70.70	41.76	-70.70	82.11	149.43	0.09
8100.00	1.08	214.39	8098.38	-72.13	40.48	-72.13	82.71	150.70	0.29
8200.00	1.12	186.56	8198.36	-73.88	39.84	-73.88	83.93	151.67	0.53
8300.00	1.19	207.57	8298.34	-75.77	39.24	-75.77	85.33	152.62	0.43
8400.00	1.25	215.50	8398.32	-77.57	38.13	-77.57	86.44	153.82	0.18
8500.00	2.08	208.61	8498.28	-80.06	36.63	-80.06	88.04	155.42	0.85
8600.00	1.96	197.91	8598.21	-83.27	35.23	-83.27	90.42	157.07	0.40
8700.00	1.46	223.32	8698.17	-85.82	33.84	-85.82	92.25	158.48	0.90
8800.00	1.22	209.68	8798.14	-87.67	32.44	-87.67	93.48	159.70	0.40
8900.00	1.26	193.84	8898.12	-89.66	31.65	-89.66	95.08	160.56	0.34
9000.00	1.23	225.18	8998.10	-91.48	30.63	-91.48	96.47	161.49	0.67
9100.00	1.17	254.18	9098.08	-92.52	28.88	-92.52	96.92	162.67	0.60
9200.00	0.97	274.73	9198.06	-92.73	27.04	-92.73	96.59	163.74	0.43
9300.00	1.15	310.78	9298.04	-92.00	25.44	-92.00	95.45	164.55	0.68
9400.00	1.82	298.67	9398.01	-90.58	23.28	-90.58	93.52	165.59	0.73
9500.00	2.72	289.10	9497.93	-89.04	19.65	-89.04	91.19	167.56	0.97
9600.00	4.91	257.40	9597.71	-89.20	13.23	-89.20	90.18	171.56	2.96

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
9700.00	5.73	253.47	9697.28	-91.56	4.27	-91.56	91.65	177.33	0.90
9800.00	3.80	233.08	9796.94	-94.97	-3.17	-94.97	95.02	181.91	2.54
9900.00	2.56	216.09	9896.79	-98.77	-7.13	-98.77	99.02	184.13	1.55
10000.00	1.95	199.54	9996.71	-102.17	-9.02	-102.17	102.57	185.04	0.89
10100.00	1.82	181.31	10096.66	-105.37	-9.62	-105.37	105.80	185.22	0.61
10200.00	1.57	172.74	10196.61	-108.31	-9.49	-108.31	108.73	185.01	0.36
10300.00	1.43	165.86	10296.58	-110.88	-9.01	-110.88	111.25	184.65	0.23
10380.00	1.48	192.28	10376.55	-112.86	-8.98	-112.86	113.21	184.55	0.83



VES Survey International
West Texas
432-563-5444
Surveyor: Jordan Shelleby
Treasure Island Federal No. 002H / API 30-025-41777

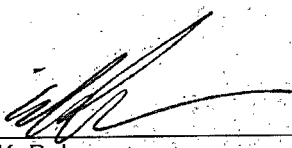


V.E.S. Survey Date: 07/15/2014



State of New Mexico
County of Lea

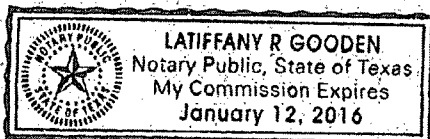
I, Michael K. Baber, certify that: I am employed by Terra Directional Services LLC; that I did on the day(s) of 07/01/2014 through 08/04/2014 conduct or supervise the taking of a MWD survey from a depth of 10380 feet to a depth 15665 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Terra Directional Services LLC; that I am authorized and qualified to make this report; that this survey was conducted at the request of Concho Oil & Gas for the Treasure Island Federal 2H Well API 30-025-41777 in Lea County, New Mexico; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Terra Directional Services LLC.


Michael K. Baber
MWD Operations Manager

State of Texas
County of Montgomery

Before me, a notary public, on this day personally appeared Michael K. Baber, known to me to be the person whose name is subscribed to the foregoing document and, being by me first duly sworn, declared that the statements therein contained are true and correct.


Notary Public's Signature





Customer Name: COG Operating, LLC.
Well Name: Treasure Island Feder.
API Number: 30-025-41777
County / Parish: 32.196265°N 103.64°

M.W.D. Operator: Stacy Ogle
Directional Driller: Chad Moore
Total Magnetic Correction: 6.96
Job #: NM-451

Vertical Section: 359.70

Tie In Survey(s) Provided By:

	Meas. Depth	Inc.	Azm.	T.V.D.	Ver. Sect.	+N / -S	+E / -W	Dist.	Angle	DLS
Tie - In										
0	10380.00	1.48	192.28	10376.60	-112.80	-112.90	-9.00	0.00	0.00	0.00
1	10452.00	1.50	202.30	10448.58	-114.63	-114.68	-9.56	115.08	184.76	0.36
2	10483.00	1.40	200.20	10479.57	-115.36	-115.41	-9.84	115.83	184.87	0.37
3	10515.00	0.20	147.60	10511.56	-115.77	-115.83	-9.95	116.25	184.91	4.03
4	10546.00	3.50	356.30	10542.54	-114.87	-114.93	-9.98	115.36	184.96	11.86
5	10578.00	9.10	343.30	10574.34	-111.47	-111.52	-10.77	112.04	185.51	17.95
6	10609.00	13.80	343.10	10604.71	-105.57	-105.64	-12.55	106.38	186.77	15.16
7	10641.00	20.40	344.40	10635.28	-96.52	-96.60	-15.16	97.78	188.92	20.66
8	10672.00	26.10	344.20	10663.75	-84.73	-84.83	-18.47	86.82	192.29	18.39
9	10703.00	29.40	345.20	10691.18	-70.79	-70.91	-22.27	74.32	197.44	10.75
10	10735.00	32.40	343.90	10718.64	-54.93	-55.07	-26.66	61.18	205.83	9.60
11	10766.00	35.10	345.00	10744.41	-38.32	-38.48	-31.27	49.58	219.10	8.93
12	10798.00	37.50	348.60	10770.20	-19.85	-20.04	-35.58	40.83	240.61	10.03
13	10829.00	40.10	351.30	10794.36	-0.71	-0.92	-38.95	38.96	268.65	10.00
14	10861.00	43.00	353.20	10818.31	20.33	20.11	-41.81	46.39	295.69	9.88
15	10892.00	45.20	355.80	10840.57	41.81	41.58	-43.86	60.44	313.47	9.19
16	10924.00	46.90	357.80	10862.78	64.82	64.58	-45.14	78.79	325.05	6.96
17	10956.00	47.90	0.00	10884.44	88.37	88.13	-45.59	99.22	332.65	5.95
18	10987.00	49.60	1.90	10904.88	111.66	111.43	-45.20	120.25	337.92	7.16
19	11018.00	52.00	3.50	10924.47	135.65	135.42	-44.06	142.41	341.98	8.71
20	11058.00	51.10	8.40	10949.36	166.78	166.56	-40.83	171.49	346.23	9.85
21	11081.00	52.60	7.60	10963.56	184.67	184.47	-38.31	188.41	348.27	7.07
22	11112.00	55.40	5.60	10981.78	209.57	209.38	-35.44	212.36	350.39	10.43
23	11144.00	60.00	3.40	10998.88	236.51	236.34	-33.33	238.68	351.97	15.50
24	11175.00	65.50	1.80	11013.07	264.02	263.86	-32.09	265.80	353.07	18.32
25	11207.00	71.30	1.50	11024.85	293.75	293.59	-31.23	295.24	353.93	18.15
26	11238.00	77.10	0.90	11033.28	323.55	323.40	-30.61	324.84	354.59	18.80
27	11270.00	83.00	0.80	11038.81	355.05	354.90	-30.14	356.18	355.15	18.44
28	11301.00	89.60	1.10	11040.81	385.96	385.81	-29.63	386.95	355.61	21.31
29	11333.00	91.80	1.90	11040.42	417.94	417.80	-28.79	418.79	356.06	7.32
30	11427.00	91.90	2.40	11037.38	511.81	511.68	-25.27	512.30	357.17	0.54
31	11522.00	92.80	3.20	11033.49	606.59	606.49	-20.63	606.84	358.05	1.27
32	11616.00	91.60	3.20	11029.88	700.34	700.27	-15.39	700.44	358.74	1.28
33	11711.00	89.80	3.20	11028.72	795.15	795.11	-10.09	795.17	359.27	1.89
34	11805.00	90.30	2.30	11028.64	889.02	889.00	-5.58	889.02	359.64	1.10
35	11900.00	89.60	2.00	11028.72	983.93	983.93	-2.01	983.93	359.88	0.80
36	11994.00	92.00	1.20	11027.41	1077.86	1077.88	0.61	1077.88	0.03	2.69
37	12088.00	92.70	1.30	11023.55	1171.75	1171.78	2.66	1171.78	0.13	0.75
38	12183.00	91.70	0.50	11019.91	1266.65	1266.69	4.15	1266.70	0.19	1.35
39	12277.00	92.40	0.10	11016.54	1360.59	1360.63	4.64	1360.64	0.20	0.86
40	12372.00	93.10	0.10	11011.99	1455.48	1455.52	4.81	1455.53	0.19	0.74
41	12466.00	92.90	0.30	11007.07	1549.34	1549.39	5.14	1549.40	0.19	0.30
42	12561.00	92.60	0.90	11002.51	1644.22	1644.28	6.13	1644.29	0.21	0.71
43	12655.00	92.50	0.50	10998.33	1738.11	1738.18	7.28	1738.19	0.21	0.44
44	12749.00	91.90	359.80	10994.72	1832.04	1832.11	7.52	1832.12	0.24	0.98



45	12844.00	90.90	359.30	10992.40	1927.01	1927.07	6.78	1927.08	0.20	1.18
46	12938.00	91.00	359.30	10990.84	2021.00	2021.05	5.63	2021.06	0.16	0.11
47	13033.00	90.10	358.40	10989.93	2115.98	2116.03	3.72	2116.03	0.10	1.34
48	13127.00	90.70	358.60	10989.27	2209.96	2209.99	1.26	2209.99	0.03	0.67
49	13222.00	91.40	358.90	10987.53	2304.93	2304.95	-0.81	2304.95	359.98	0.80
50	13316.00	92.70	359.70	10984.17	2398.86	2398.88	-1.96	2398.88	359.95	1.62
51	13411.00	90.90	359.60	10981.18	2493.81	2493.83	-2.54	2493.83	359.94	1.90
52	13505.00	91.30	359.70	10979.38	2587.79	2587.81	-3.11	2587.81	359.93	0.44
53	13600.00	90.20	359.60	10978.13	2682.78	2682.80	-3.69	2682.80	359.92	1.16
54	13694.00	91.20	359.80	10976.99	2776.77	2776.79	-4.18	2776.79	359.91	1.08
55	13788.00	89.90	0.30	10976.08	2870.77	2870.78	-4.10	2870.79	359.92	1.48
56	13883.00	90.60	0.50	10975.67	2965.76	2965.78	-3.44	2965.78	359.93	0.77
57	13977.00	91.80	0.90	10973.70	3059.72	3059.75	-2.29	3059.75	359.96	1.35
58	14072.00	90.10	0.80	10972.13	3154.68	3154.72	-0.88	3154.72	359.98	1.79
59	14166.00	88.60	0.40	10973.19	3248.66	3248.71	0.10	3248.71	0.00	1.65
60	14261.00	89.00	0.50	10975.18	3343.63	3343.69	0.85	3343.69	0.01	0.43
61	14355.00	89.80	0.80	10976.17	3437.62	3437.67	1.92	3437.67	0.03	0.91
62	14450.00	91.00	1.10	10975.50	3532.59	3532.66	3.49	3532.66	0.06	1.30
63	14544.00	91.60	1.30	10973.37	3626.53	3626.61	5.46	3626.61	0.09	0.67
64	14639.00	92.10	1.30	10970.30	3721.45	3721.54	7.61	3721.54	0.12	0.53
65	14733.00	92.40	0.70	10966.61	3815.35	3815.45	9.25	3815.46	0.14	0.71
66	14828.00	92.90	1.00	10962.22	3910.23	3910.34	10.66	3910.35	0.16	0.61
67	14922.00	91.00	0.60	10959.02	4004.15	4004.27	11.97	4004.29	0.17	2.07
68	15016.00	90.90	1.20	10957.46	4098.12	4098.24	13.45	4098.27	0.19	0.65
69	15111.00	89.70	0.90	10956.97	4193.09	4193.22	15.19	4193.25	0.21	1.30
70	15205.00	90.10	1.00	10957.13	4287.06	4287.21	16.75	4287.24	0.22	0.44
71	15300.00	91.00	1.20	10956.22	4382.03	4382.19	18.57	4382.23	0.24	0.97
72	15394.00	90.10	0.10	10955.32	4476.01	4476.18	19.64	4476.22	0.25	1.51
73	15489.00	88.30	358.70	10956.64	4570.99	4571.15	18.64	4571.19	0.23	2.40
74	15583.00	88.70	359.10	10959.10	4664.95	4665.10	16.84	4665.14	0.21	0.60
75	15614.00	88.90	359.00	10959.75	4695.94	4696.09	16.32	4696.12	0.20	0.72
PTB	15665.00	88.90	359.00	10960.73	4746.93	4747.08	15.43	4747.10	0.19	0.00

