

Results of Directional Survey

API number:	30-025-41180		
OGRID:		Operator:	COG OPERATING LLC
		Property:	GUNNER 8 FEDERAL # 5H

surface	ULSTR:	O	08	T	26S	R	34E
				190	FSL	1520	FEL

BH Loc	ULSTR:	G	05	T	26S	R	34E
18372	MD	9812.3	TVD	1657	FNL	1583	FEL
				3623	FSL		

Top Perf/OH	ULSTR:	O	08	T	26S	R	34E
10027	MD	9826.1	TVD	565	FSL	1496	FEL

Bot Perf/OH	ULSTR:	G	05	T	26S	R	34E
18207	MD	9814.2	TVD	1825	FNL	1590	FEL
				3455	FSL		

	MD	N/S	E/W	VD
	9996	345.42	25.63	9817.85
TOP PERFS/OH	10027	375.28	24.15	9826.09
	10027	375.28	24.15	9826.09
	18116	8456.97	-72.82	9815.35
BOT PERFS/OH	18207	8547.91	-69.64	9814.24
	18210	8550.91	-69.54	9814.20

NEXT TO LAST	18306	8646.82	-65.60	9812.95
LAST READING	18372	8712.75	-62.72	9812.26
TD	18372	8712.75	-62.72	9812.26

Surface Location	190	FS	1520	FE
Projected BHL	8903	FS	1583	FE
Location of				
Top Perfs/OH	565	FS	1496	FE
Bottom Perfs/OH	8738	FS	1590	FE

SUMMARY of Subsurface Locations

Surface Location	O-08-26S-34E	190	FS	1520	FE	Vert. Depth
Top Perfs/OH	O-08-26S-34E	565	FS	1496	FE	9826.09
Bottom Perfs/OH	G-05-26S-34E	8738	FS	1590	FE	9814.24
Projected TD	G-05-26S-34E	8903	FS	1583	FE	9812.26

JUL 17 2014



A GYRO TECHNOLOGIES, INC. COMPANY

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

June 19, 2013

COG Operating LLC (Concho)
One Concho Center
600 W. Illinois Avenue
Midland, TX 79701

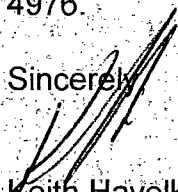
Attn: Kanicia Castillo

Re: **Gunner 8 Federal No 005H**

Please find enclosed a copy of the survey from 0' to 3,200' ran on the above referenced well.

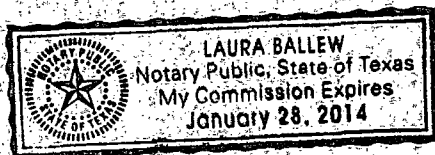
If I can be of any further service, please do not hesitate to call me at 800-606-4976.

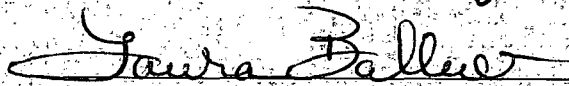
Sincerely,


Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 19th day of June
A.D., 2013, by Keith Havelka.




Laura Ballew
Notary Public, State of Texas

Company: COG Operating LLC (Concho)

Lease/Well: Gunner 8 Federal/No 005H



Rig Name: Precision 77

State/County: New Mexico/Lea

Latitude: 32.05, Longitude: -103.49

GRID North is 0.45 Degrees East of True North

VS-Azi: 359.51 Degrees



Depth Reference : RKB = 32ft

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: final.ut

Minimum Curvature Method

Report Date/Time: 6/19/2013 / 14:01

Vaughn Energy Services

Fort Worth, Texas

817-741-3610

Surveyor: Jay Carroll

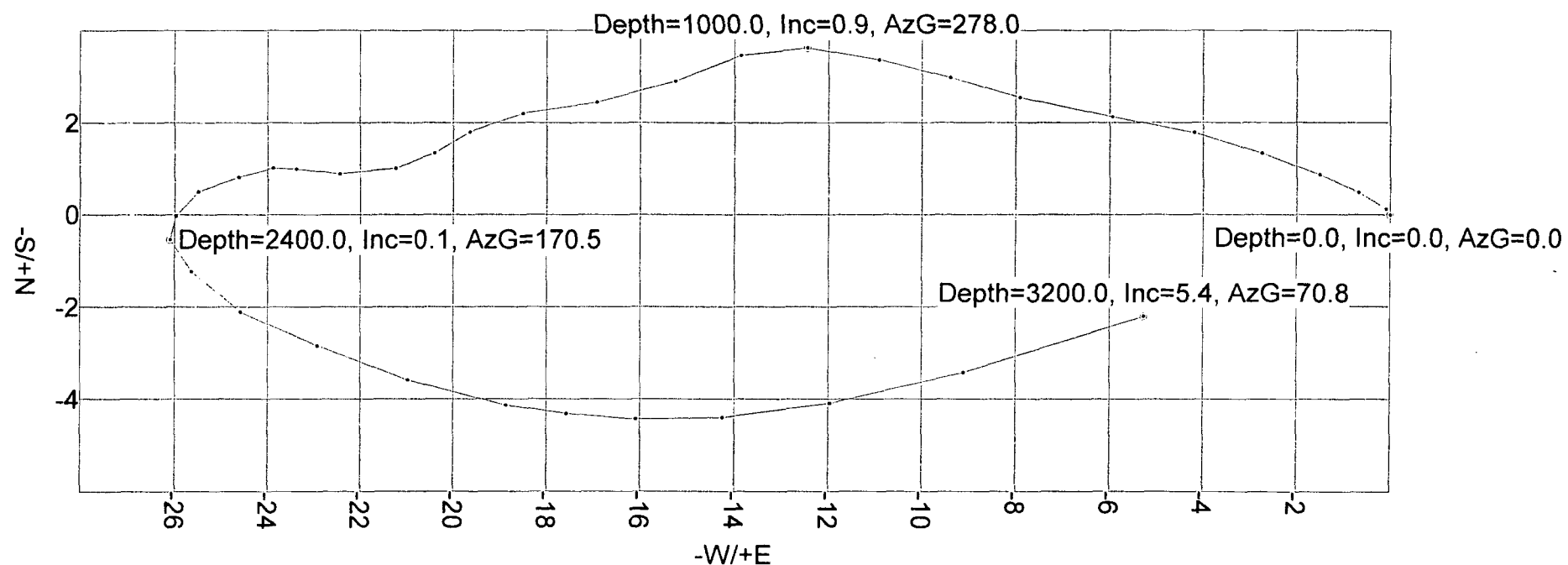
Gunner 8 Federal No 005H / API 30-025-41180

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W 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	****
100.00	0.17	323.99	100.00	0.12	-0.08	0.14	323.99	0.17
200.00	0.65	295.87	200.00	0.48	-0.68	0.84	305.22	0.51
300.00	0.38	292.73	299.99	0.86	-1.50	1.73	299.76	0.27
400.00	1.13	289.82	399.98	1.32	-2.74	3.04	295.79	0.74
500.00	0.62	283.05	499.97	1.78	-4.19	4.56	292.99	0.51
600.00	1.42	280.41	599.95	2.13	-5.94	6.31	289.69	0.79
700.00	0.90	284.77	699.93	2.55	-7.91	8.31	287.85	0.53
800.00	0.88	287.74	799.92	2.98	-9.40	9.86	287.60	0.05
900.00	0.91	280.91	899.91	3.37	-10.91	11.42	287.14	0.11
1000.00	0.88	277.96	999.90	3.62	-12.45	12.97	286.22	0.05
1100.00	0.80	247.38	1099.89	3.46	-13.86	14.29	284.02	0.45
1200.00	0.93	249.07	1199.88	2.90	-15.26	15.54	280.77	0.13
1300.00	1.05	259.72	1299.86	2.45	-16.92	17.10	278.24	0.22
1400.00	0.79	263.24	1399.85	2.20	-18.51	18.64	276.79	0.27
1500.00	0.64	234.74	1499.84	1.80	-19.65	19.73	275.23	0.38
1600.00	0.38	243.03	1599.84	1.33	-20.40	20.45	273.72	0.27
1700.00	0.65	252.34	1699.83	1.00	-21.24	21.26	272.70	0.28
1800.00	0.75	274.54	1799.83	0.88	-22.43	22.45	272.25	0.29

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1900.00	0.34	280.11	1899.82	0.99	-23.38	23.40	272.42	0.41
2000.00	0.24	261.27	1999.82	1.01	-23.88	23.90	272.41	0.14
2100.00	0.64	252.58	2099.82	0.81	-24.63	24.64	271.88	0.40
2200.00	0.42	247.17	2199.81	0.50	-25.50	25.50	271.12	0.23
2300.00	0.47	200.01	2299.81	-0.03	-25.97	25.97	269.93	0.36
2400.00	0.14	170.55	2399.81	-0.54	-26.10	26.10	268.81	0.36
2500.00	0.82	142.07	2499.80	-1.23	-25.63	25.66	267.25	0.70
2600.00	0.79	117.49	2599.79	-2.12	-24.58	24.67	265.08	0.34
2700.00	1.28	111.65	2699.78	-2.85	-22.93	23.10	262.92	0.50
2800.00	1.11	109.83	2799.76	-3.59	-20.97	21.28	260.29	0.18
2900.00	1.40	100.51	2899.73	-4.14	-18.86	19.31	257.62	0.35
2950.00	1.60	95.47	2949.71	-4.32	-17.57	18.09	256.19	0.47
3000.00	1.82	93.84	2999.69	-4.44	-16.08	16.68	254.58	0.47
3050.00	2.40	85.03	3049.66	-4.40	-14.25	14.91	252.84	1.32
3100.00	2.89	80.02	3099.60	-4.09	-11.96	12.64	251.12	1.08
3150.00	3.84	74.68	3149.52	-3.43	-9.11	9.73	249.36	2.00
3200.00	5.42	70.82	3199.35	-2.21	-5.26	5.70	247.19	3.22



Vaughn Energy Services
Fort Worth, Texas
817-741-3610
Surveyor: Jay Carroll
Gunner 8 Federal No 005H / API 30-025-41180





A GYRO TECHNOLOGIES INC. COMPANY

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

June 28, 2013

COG Operating LLC (Concho)
One Concho Center
600 W. Illinois Avenue
Midland, TX 79701

Attn: Kanicia Castillo

Re: **Gunner 8 Federal No 005H**

Please find enclosed a copy of the survey from 0' to 9,156' ran on the above referenced well.

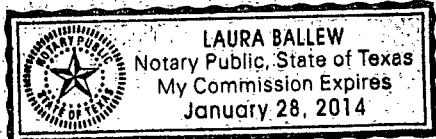
If I can be of any further service, please do not hesitate to call me at 800-606-4976.

Sincerely,

Keith Havelka
Operations

STATE OF TEXAS §
 §
COUNTY OF NUECES §

This instrument was acknowledged before me on the 28th day of June, A.D., 2013, by Keith Havelka.

Laura Ballew
Notary Public, State of Texas



Company: Concho
Lease/Well: Gunner 8 Federal /No 005H
Location: Sec 8 T26S R34E
Rig Name: Precision 77
State/County: New Mexico/Lea
Latitude: 32.05, Longitude: -103.49
GRID North is 0.45 Degrees East of True North
VS-Azi: 0.00 Degrees



Depth Reference : 32 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ...r 8 federal #5h gyro-de_01.ut

Minimum Curvature Method

Report Date/Time: 6/28/2013 / 12:08

Vaughn Energy Services

West Texas

Surveyor: Chris Bankson

432-563-5444

Gunner 8 Federal No 005H / API 30-025-41180

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	****
56.00	0.35	299.64	56.00	0.08	-0.15	0.08	0.17	299.64	0.62
156.00	0.67	282.93	156.00	0.36	-0.98	0.36	1.05	290.35	0.36
256.00	0.83	274.46	255.99	0.55	-2.28	0.55	2.34	283.61	0.19
356.00	0.75	275.84	355.98	0.67	-3.65	0.67	3.71	280.46	0.09
456.00	0.70	277.46	455.97	0.82	-4.91	0.82	4.97	279.49	0.05
556.00	0.87	289.42	555.96	1.15	-6.23	1.15	6.33	280.48	0.24
656.00	0.85	288.07	655.95	1.63	-7.65	1.63	7.82	282.06	0.03
756.00	1.19	273.09	755.93	1.92	-9.38	1.92	9.58	281.56	0.43
856.00	1.27	275.26	855.91	2.08	-11.52	2.08	11.71	280.22	0.10
956.00	1.05	272.14	955.89	2.21	-13.54	2.21	13.72	279.28	0.23
1056.00	0.61	265.17	1055.88	2.20	-14.99	2.20	15.15	278.35	0.45
1156.00	0.81	266.09	1155.87	2.11	-16.23	2.11	16.36	277.40	0.19
1256.00	0.89	266.06	1255.86	2.01	-17.71	2.01	17.82	276.47	0.08
1356.00	0.84	263.06	1355.85	1.86	-19.21	1.86	19.30	275.54	0.07
1456.00	0.90	264.13	1455.84	1.70	-20.72	1.70	20.79	274.68	0.06
1556.00	1.11	265.20	1555.82	1.53	-22.47	1.53	22.52	273.91	0.21
1656.00	0.61	271.56	1655.81	1.47	-23.96	1.47	24.00	273.51	0.51
1756.00	0.56	273.50	1755.81	1.51	-24.98	1.51	25.02	273.46	0.05

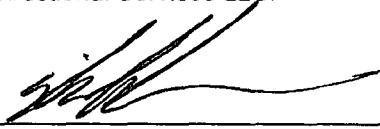
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1856.00	0.40	275.42	1855.80	1.57	-25.81	1.57	25.86	273.49	0.17
1956.00	0.39	256.24	1955.80	1.53	-26.49	1.53	26.53	273.30	0.13
2056.00	0.61	248.67	2055.80	1.25	-27.32	1.25	27.34	272.62	0.23
2156.00	0.49	245.89	2155.79	0.88	-28.20	0.88	28.21	271.79	0.12
2256.00	0.24	203.77	2255.79	0.52	-28.67	0.52	28.68	271.03	0.35
2356.00	0.04	148.62	2355.79	0.29	-28.74	0.29	28.74	270.58	0.22
2456.00	0.62	121.83	2455.79	-0.03	-28.26	-0.03	28.26	269.94	0.58
2556.00	0.94	105.33	2555.78	-0.53	-27.01	-0.53	27.01	268.87	0.39
2656.00	1.37	101.86	2655.76	-0.99	-25.05	-0.99	25.07	267.73	0.43
2756.00	1.39	100.77	2755.73	-1.46	-22.69	-1.46	22.74	266.31	0.03
2856.00	1.53	90.85	2855.70	-1.71	-20.17	-1.71	20.24	265.15	0.29
2956.00	1.63	90.18	2955.66	-1.74	-17.41	-1.74	17.50	264.31	0.10
3056.00	2.33	89.13	3055.60	-1.71	-13.96	-1.71	14.07	263.02	0.70
3156.00	4.34	74.88	3155.42	-0.69	-8.28	-0.69	8.31	265.23	2.16
3256.00	6.14	69.11	3255.00	2.20	0.37	2.20	2.24	9.62	1.88
3356.00	7.29	66.19	3354.32	6.67	11.18	6.67	13.02	59.16	1.20
3456.00	5.90	77.32	3453.66	10.36	21.99	10.36	24.31	64.77	1.88
3556.00	4.61	87.34	3553.24	11.68	31.02	11.68	33.14	69.37	1.58
3656.00	4.08	95.06	3652.95	11.55	38.57	11.55	40.26	73.33	0.79
3756.00	2.98	98.19	3752.76	10.87	44.69	10.87	45.99	76.33	1.11
3856.00	2.58	98.35	3852.64	10.17	49.49	10.17	50.52	78.39	0.41
3956.00	2.62	97.48	3952.54	9.55	53.98	9.55	54.81	79.97	0.06
4056.00	2.51	85.70	4052.44	9.41	58.42	9.41	59.18	80.85	0.54
4156.00	2.01	82.34	4152.36	9.81	62.34	9.81	63.11	81.06	0.52
4256.00	1.82	66.33	4252.30	10.68	65.54	10.68	66.40	80.74	0.56
4356.00	1.06	46.99	4352.27	11.95	67.67	11.95	68.72	79.98	0.89
4456.00	0.18	4.67	4452.27	12.74	68.36	12.74	69.54	79.44	0.94
4556.00	0.19	21.81	4552.27	13.04	68.44	13.04	69.67	79.21	0.05
4656.00	0.65	66.87	4652.26	13.42	69.02	13.42	70.31	79.00	0.53
4756.00	0.84	105.51	4752.26	13.44	70.24	13.44	71.52	79.17	0.52
4856.00	0.65	149.07	4852.25	12.76	71.24	12.76	72.38	79.85	0.58
4956.00	1.42	139.91	4952.23	11.32	72.33	11.32	73.21	81.10	0.78
5056.00	2.18	130.81	5052.18	9.13	74.57	9.13	75.13	83.02	0.82
5156.00	2.18	137.35	5152.11	6.49	77.30	6.49	77.57	85.20	0.25
5256.00	1.37	138.47	5252.06	4.20	79.38	4.20	79.49	86.97	0.81
5356.00	1.02	137.00	5352.04	2.66	80.77	2.66	80.82	88.12	0.35
5456.00	0.57	143.01	5452.03	1.61	81.68	1.61	81.70	88.87	0.45
5556.00	0.66	146.20	5552.02	0.73	82.30	0.73	82.31	89.49	0.10
5656.00	0.85	157.13	5652.01	-0.44	82.92	-0.44	82.92	90.31	0.24

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
5756.00	0.75	161.10	5752.00	-1.75	83.42	-1.75	83.44	91.20	0.12
5856.00	0.64	163.28	5852.00	-2.91	83.79	-2.91	83.84	91.99	0.12
5956.00	0.64	156.15	5951.99	-3.96	84.18	-3.96	84.27	92.69	0.08
6056.00	0.64	151.94	6051.98	-4.97	84.67	-4.97	84.82	93.36	0.05
6156.00	0.23	145.62	6151.98	-5.63	85.05	-5.63	85.23	93.79	0.42
6256.00	0.56	140.12	6251.98	-6.17	85.47	-6.17	85.70	94.13	0.34
6356.00	0.17	167.84	6351.98	-6.69	85.82	-6.69	86.08	94.46	0.42
6456.00	0.16	193.65	6451.98	-6.97	85.82	-6.97	86.10	94.64	0.07
6556.00	0.16	133.47	6551.97	-7.21	85.89	-7.21	86.19	94.80	0.16
6656.00	0.21	121.66	6651.97	-7.40	86.15	-7.40	86.47	94.91	0.06
6756.00	0.22	98.20	6751.97	-7.53	86.50	-7.53	86.83	94.97	0.09
6856.00	0.10	57.47	6851.97	-7.51	86.77	-7.51	87.09	94.95	0.16
6956.00	0.31	11.22	6951.97	-7.20	86.89	-7.20	87.19	94.74	0.25
7056.00	0.29	352.62	7051.97	-6.68	86.91	-6.68	87.17	94.39	0.10
7156.00	0.18	336.00	7151.97	-6.28	86.82	-6.28	87.04	94.14	0.13
7256.00	0.20	312.99	7251.97	-6.02	86.62	-6.02	86.83	93.97	0.08
7356.00	0.14	291.96	7351.97	-5.85	86.37	-5.85	86.57	93.87	0.09
7456.00	0.15	205.81	7451.97	-5.92	86.20	-5.92	86.40	93.93	0.20
7556.00	0.15	185.99	7551.97	-6.16	86.13	-6.16	86.35	94.09	0.05
7656.00	0.42	185.77	7651.97	-6.66	86.08	-6.66	86.34	94.42	0.27
7756.00	0.59	184.06	7751.96	-7.54	86.01	-7.54	86.34	95.01	0.17
7856.00	0.64	182.19	7851.96	-8.61	85.95	-8.61	86.38	95.72	0.05
7956.00	0.59	189.57	7951.95	-9.68	85.84	-9.68	86.39	96.43	0.09
8056.00	0.95	185.62	8051.94	-11.01	85.68	-11.01	86.38	97.33	0.37
8156.00	0.95	187.05	8151.93	-12.67	85.49	-12.67	86.43	98.43	0.02
8256.00	1.11	183.11	8251.91	-14.46	85.34	-14.46	86.55	99.62	0.17
8356.00	1.24	184.92	8351.89	-16.51	85.19	-16.51	86.78	100.97	0.14
8456.00	1.35	177.59	8451.87	-18.77	85.15	-18.77	87.19	102.43	0.20
8556.00	1.61	172.37	8551.83	-21.33	85.38	-21.33	88.01	104.03	0.29
8656.00	1.57	172.24	8651.79	-24.08	85.76	-24.08	89.07	105.69	0.04
8756.00	1.43	170.34	8751.76	-26.67	86.15	-26.67	90.18	107.20	0.15
8856.00	1.30	174.83	8851.73	-29.03	86.46	-29.03	91.20	108.56	0.16
8956.00	1.24	168.51	8951.71	-31.22	86.78	-31.22	92.22	109.79	0.15
9056.00	1.01	168.10	9051.69	-33.15	87.18	-33.15	93.26	110.82	0.22
9156.00	1.12	167.96	9151.67	-34.97	87.56	-34.97	94.29	111.77	0.11



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 June 11, 2013 through July 16, 2013 conduct or supervise the taking of a MWD survey from a depth of 9236 feet to a depth 18372 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 Company for the Gunner 8 Federal 5H Well API 30-025-41180 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 Coordinator

State of Texas
County of Brewer

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

8610 N New Braunfels, Suite 405

San Antonio, Texas 78217

(210) 826-2022



Customer Name: Concho Oil & Gas
Well Name: Gunner 8 Federal #5H
API Number: 30-025-41180
County / Parish: Lea county

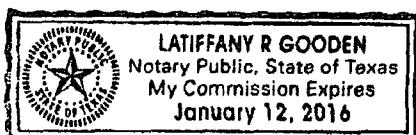
M.W.D. Operator: James Burleson
Directional Driller: Scott Brandt
Total Magnetic Correction: 6.91
Job #: NM-318

Vertical Section: 359.52

Tie In Survey(s) Provided By:

VES

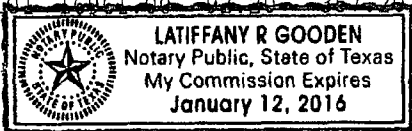
	Meas. Depth	Inc.	Azm.	T.V.D.	Ver. Sect.	+N / -S	+E / -W	Dist.	Angle	DLS
Tie - In										
0	9156.00	1.12	167.96	9151.67	-34.97	-34.97	87.56	94.29	111.77	0.11
1	9236.00	1.10	173.70	9231.66	-37.23	-36.50	87.81	95.09	112.57	0.14
2	9299.00	0.50	268.50	9294.65	-37.84	-37.11	87.60	95.13	112.96	1.98
3	9331.00	2.90	324.70	9326.64	-37.18	-36.45	86.99	94.32	112.73	8.30
4	9362.00	6.30	332.10	9357.53	-35.02	-34.31	85.74	92.35	111.81	11.11
5	9394.00	9.80	337.00	9389.21	-30.95	-30.25	83.86	89.14	109.83	11.14
6	9426.00	13.30	342.10	9420.56	-24.92	-24.23	81.66	85.18	106.53	11.38
7	9457.00	16.90	347.00	9450.48	-17.11	-16.45	79.55	81.23	101.68	12.31
8	9489.00	20.80	348.30	9480.76	-7.00	-6.35	77.35	77.61	94.69	12.26
9	9521.00	24.50	347.20	9510.29	5.06	5.69	74.73	74.94	85.65	11.64
10	9553.00	28.50	347.00	9538.92	19.01	19.60	71.54	74.18	74.67	12.50
11	9584.00	32.40	347.60	9565.64	34.36	34.93	68.09	76.53	62.84	12.62
12	9616.00	35.40	348.10	9592.20	51.83	52.38	64.34	82.96	50.85	9.42
13	9647.00	36.10	348.60	9617.36	69.60	70.11	60.68	92.73	40.87	2.45
14	9679.00	37.90	349.50	9642.91	88.54	89.02	57.03	105.72	32.64	5.87
15	9710.00	41.60	350.00	9666.74	108.07	108.52	53.50	121.00	26.24	11.98
16	9742.00	45.60	350.20	9689.91	129.84	130.26	49.71	139.42	20.89	12.51
17	9774.00	49.30	351.30	9711.55	153.13	153.52	45.93	160.25	16.66	11.84
18	9806.00	52.80	352.50	9731.66	177.80	178.16	42.43	183.14	13.40	11.32
19	9837.00	55.90	353.40	9749.73	202.82	203.15	39.34	206.93	10.96	10.27
20	9869.00	59.30	353.40	9766.87	229.68	229.99	36.24	232.83	8.95	10.63
21	9901.00	62.40	353.70	9782.46	257.47	257.76	33.10	259.87	7.32	9.72
22	9932.00	66.00	354.60	9795.95	285.25	285.52	30.26	287.12	6.05	11.90
23	9964.00	70.20	355.50	9807.88	314.85	315.09	27.70	316.30	5.02	13.38
24	9996.00	73.50	356.70	9817.85	345.20	345.42	25.63	346.37	4.24	10.91
25	10027.00	75.80	357.60	9826.05	375.06	375.28	24.15	376.05	3.68	7.93
26	10059.00	78.30	358.10	9833.22	406.23	406.44	22.98	407.09	3.24	7.96
27	10091.00	81.10	359.00	9838.94	437.71	437.91	22.18	438.47	2.90	9.18
28	10122.00	84.00	359.40	9842.96	468.44	468.64	21.76	469.15	2.66	9.44
29	10154.00	86.20	359.20	9845.70	500.32	500.52	21.37	500.98	2.44	6.90
30	10194.00	89.00	359.20	9847.37	540.28	540.48	20.81	540.88	2.20	7.00
31	10288.00	90.00	359.00	9848.19	634.28	634.46	19.33	634.76	1.75	1.08
32	10383.00	91.00	359.00	9847.36	729.27	729.44	17.67	729.66	1.39	1.05
33	10479.00	90.70	359.70	9845.94	825.26	825.42	16.59	825.59	1.15	0.79
34	10573.00	92.20	0.20	9843.56	919.22	919.39	16.50	919.54	1.03	1.68
35	10668.00	92.70	0.90	9839.50	1014.12	1014.30	17.41	1014.45	0.98	0.90
36	10763.00	92.60	1.50	9835.11	1108.97	1109.18	19.40	1109.35	1.00	0.64
37	10858.00	91.40	0.80	9831.79	1203.88	1204.10	21.31	1204.29	1.01	1.46
38	10952.00	90.70	0.60	9830.07	1297.84	1298.07	22.45	1298.27	0.99	0.77
39	11047.00	91.00	0.60	9828.66	1392.81	1393.06	23.45	1393.26	0.96	0.32
40	11141.00	90.30	0.20	9827.59	1486.79	1487.05	24.11	1487.24	0.93	0.86
41	11236.00	88.40	359.00	9828.67	1581.78	1582.03	23.44	1582.21	0.85	2.37
42	11332.00	87.50	358.80	9832.11	1677.71	1677.95	21.60	1678.09	0.74	0.96
43	11427.00	90.00	359.70	9834.18	1772.68	1772.91	20.36	1773.03	0.66	2.80



[Signature]

[Signature]

44	11522.00	91.10	0.10	9833.27	1867.67	1867.91	20.19	1868.02	0.62	1.23
45	11617.00	89.50	358.80	9832.77	1962.67	1962.90	19.28	1962.99	0.56	2.17
46	11712.00	90.00	359.20	9833.18	2057.66	2057.88	17.62	2057.96	0.49	0.67
47	11807.00	90.30	359.50	9832.93	2152.66	2152.88	16.54	2152.94	0.44	0.45
48	11901.00	90.40	359.50	9832.36	2246.66	2246.87	15.72	2246.92	0.40	0.11
49	11996.00	90.50	359.90	9831.61	2341.66	2341.87	15.23	2341.91	0.37	0.43
50	12092.00	91.10	0.20	9830.27	2437.64	2437.86	15.31	2437.90	0.36	0.70
51	12186.00	90.00	359.20	9829.37	2531.63	2531.85	14.82	2531.89	0.34	1.58
52	12281.00	90.60	359.50	9828.87	2626.63	2626.84	13.74	2626.88	0.30	0.71
53	12376.00	90.80	359.40	9827.71	2721.62	2721.83	12.83	2721.86	0.27	0.24
54	12471.00	89.30	359.50	9827.63	2816.62	2816.82	11.92	2816.85	0.24	1.58
55	12565.00	89.30	0.20	9828.78	2910.61	2910.81	11.67	2910.84	0.23	0.74
56	12660.00	90.10	0.60	9829.28	3005.60	3005.81	12.33	3005.83	0.24	0.94
57	12755.00	90.20	0.40	9829.03	3100.58	3100.80	13.16	3100.83	0.24	0.24
58	12850.00	91.30	0.90	9827.78	3195.56	3195.79	14.24	3195.82	0.26	1.27
59	12945.00	90.00	358.10	9826.71	3290.54	3290.77	13.41	3290.79	0.23	3.25
60	13040.00	90.10	357.80	9826.62	3385.50	3385.71	10.01	3385.72	0.17	0.33
61	13135.00	90.70	357.90	9825.96	3480.46	3480.64	6.45	3480.64	0.11	0.64
62	13230.00	89.20	357.90	9826.04	3575.42	3575.57	2.97	3575.57	0.05	1.58
63	13324.00	89.70	358.10	9826.94	3669.38	3669.51	-0.31	3669.51	360.00	0.57
64	13419.00	90.40	358.30	9826.86	3764.36	3764.46	-3.30	3764.46	359.95	0.77
65	13513.00	91.10	359.20	9825.63	3858.34	3858.43	-5.35	3858.43	359.92	1.21
66	13608.00	90.50	358.80	9824.30	3953.32	3953.40	-7.00	3953.41	359.90	0.76
67	13703.00	90.30	358.30	9823.64	4048.31	4048.37	-9.41	4048.38	359.87	0.57
68	13798.00	91.00	358.30	9822.56	4143.28	4143.32	-12.23	4143.34	359.83	0.74
69	13893.00	88.70	359.00	9822.81	4238.26	4238.29	-14.46	4238.31	359.80	2.53
70	13989.00	88.60	359.90	9825.07	4334.23	4334.26	-15.39	4334.28	359.80	0.94
71	14084.00	90.00	0.20	9826.24	4429.22	4429.25	-15.30	4429.27	359.80	1.51
72	14178.00	89.30	0.90	9826.81	4523.20	4523.24	-14.40	4523.26	359.82	1.05
73	14273.00	89.40	1.10	9827.89	4618.16	4618.22	-12.74	4618.24	359.84	0.24
74	14392.00	90.00	1.10	9828.51	4737.12	4737.19	-10.46	4737.21	359.87	0.50
75	14487.00	89.00	1.50	9829.34	4832.07	4832.17	-8.30	4832.17	359.90	1.13
76	14582.00	88.10	1.30	9831.74	4926.98	4927.11	-5.98	4927.11	359.93	0.97
77	14676.00	89.10	1.30	9834.04	5020.91	5021.05	-3.85	5021.05	359.96	1.06
78	14771.00	89.10	0.60	9835.53	5115.87	5116.03	-2.28	5116.03	359.97	0.74
79	14866.00	90.40	0.20	9835.95	5210.85	5211.02	-1.61	5211.02	359.98	1.43
80	14962.00	90.70	0.20	9835.02	5306.84	5307.02	-1.28	5307.02	359.99	0.31
81	15057.00	91.30	359.90	9833.37	5401.82	5402.00	-1.19	5402.00	359.99	0.71
82	15153.00	90.30	0.40	9832.03	5497.81	5497.99	-0.94	5497.99	359.99	1.16
83	15248.00	90.90	0.20	9831.03	5592.79	5592.98	-0.45	5592.98	360.00	0.67
84	15344.00	92.50	359.90	9828.18	5688.74	5688.94	-0.36	5688.94	360.00	1.70
85	15441.00	92.50	359.20	9823.95	5785.65	5785.84	-1.12	5785.84	359.99	0.72
86	15536.00	91.60	358.50	9820.55	5880.58	5880.76	-3.03	5880.76	359.97	1.20
87	15632.00	92.90	359.00	9816.79	5976.49	5976.66	-5.12	5976.66	359.95	1.45
88	15728.00	92.30	358.30	9812.43	6072.38	6072.53	-7.38	6072.54	359.93	0.96
89	15825.00	92.20	359.90	9808.62	6169.30	6169.44	-8.90	6169.45	359.92	1.65
90	15918.00	90.00	357.60	9806.84	6262.27	6262.39	-10.93	6262.40	359.90	3.42
91	16014.00	87.30	356.70	9809.10	6358.15	6358.24	-15.70	6358.26	359.86	2.96
92	16109.00	87.10	356.40	9813.74	6452.91	6452.95	-21.41	6452.99	359.81	0.38
93	16205.00	87.50	356.70	9818.26	6548.67	6548.67	-27.18	6548.73	359.76	0.52
94	16299.00	89.40	356.00	9820.80	6642.49	6642.44	-33.17	6642.52	359.71	2.15
95	16396.00	89.30	356.50	9821.90	6739.32	6739.23	-39.51	6739.34	359.66	0.53
96	16491.00	92.20	356.70	9820.66	6834.18	6834.04	-45.14	6834.19	359.62	3.06
97	16586.00	89.80	356.20	9819.00	6929.02	6928.84	-51.02	6929.03	359.58	2.58
98	16682.00	89.40	356.50	9819.67	7024.87	7024.64	-57.13	7024.87	359.53	0.52
99	16778.00	90.30	356.50	9819.92	7120.74	7120.46	-63.00	7120.74	359.49	0.94
100	16873.00	90.80	356.90	9819.01	7215.62	7215.30	-68.46	7215.62	359.46	0.67
101	16961.00	92.20	357.20	9816.71	7303.50	7303.15	-72.99	7303.51	359.43	1.63



[Handwritten Signature]

[Handwritten Signature]

102	17056.00	94.00	357.20	9811.57	7398.28	7397.89	-77.62	7398.30	359.40	1.89
103	17151.00	92.70	358.50	9806.02	7493.08	7492.66	-81.18	7493.10	359.38	1.93
104	17245.00	90.00	359.20	9803.81	7587.04	7586.61	-83.07	7587.06	359.37	2.97
105	17341.00	89.30	358.80	9804.39	7683.03	7682.59	-84.74	7683.06	359.37	0.84
106	17437.00	88.50	358.60	9806.24	7779.00	7778.55	-86.92	7779.03	359.36	0.86
107	17534.00	88.80	359.00	9808.52	7875.97	7875.50	-88.95	7876.00	359.35	0.52
108	17637.00	87.60	359.70	9811.76	7978.91	7978.44	-90.12	7978.95	359.35	1.35
109	17732.00	88.50	1.80	9814.99	8073.83	8073.37	-88.88	8073.86	359.37	2.40
110	17829.00	88.60	2.20	9817.44	8170.71	8170.28	-85.49	8170.72	359.40	0.42
111	17924.00	91.10	2.90	9817.69	8265.57	8265.17	-81.27	8265.57	359.44	2.73
112	18019.00	90.60	2.70	9816.28	8360.40	8360.05	-76.63	8360.40	359.47	0.57
113	18116.00	90.50	1.80	9815.35	8457.28	8456.97	-72.82	8457.28	359.51	0.93
114	18210.00	90.90	2.20	9814.20	8551.19	8550.91	-69.54	8551.19	359.53	0.60
115	18306.00	90.60	2.50	9812.95	8647.06	8646.82	-65.60	8647.06	359.57	0.44
PTB	18372.00	90.60	2.50	9812.26	8712.97	8712.75	-62.72	8712.98	359.59	0.00



A handwritten signature in black ink, appearing to be "Latiffany R Gooden", written over a horizontal line.

A handwritten signature in black ink, appearing to be "Latiffany R Gooden", written over a horizontal line.