

Results of Directional Survey

API number:	30-025-40211		
OGRID:		Operator:	COG OPERATING LLC
		Property:	DOMINATOR 25 FEDERAL # 1H

surface	ULSTR:	A	25	T 25S	R 33E
				330 FNL	380 FEL

BH Loc	ULSTR:	P	25	T 25S	R 33E
13875	MD	9595.4	TVD	374 FSL	350 FEL
				4906 FNL	

Top Perf/OH	ULSTR:	A	25	T 25S	R 33E
9687	MD	9505.8	TVD	724 FNL	349 FEL

Bot Perf/OH	ULSTR:	P	25	T 25S	R 33E
13785	MD	9596.4	TVD	464 FSL	353 FEL
				4816 FNL	

	MD	N/S	E/W	VD
	9655	-362.90	32.50	9497
TOP PERFS/OH	9687	-393.60	30.70	9505.80
	9687	-393.60	30.70	9505.80
	13766	-4467.40	26.80	9596.60
BOT PERFS/OH	13785	-4486.08	27.32	9596.41
	13825	-4525.40	28.40	9596.00

NEXT TO LAST	13825	-4526.40	28.40	9596.00
LAST READING	13875	-4576.40	29.80	9595.40
TD	13875	-4576.40	29.80	9595.40

Surface Location	330	FN	380	FE
Projected BHL	4906	FN	350	FE
Location of				
Top Perfs/OH	724	FN	349	FE
Bottom Perfs/OH	4816	FN	353	FE

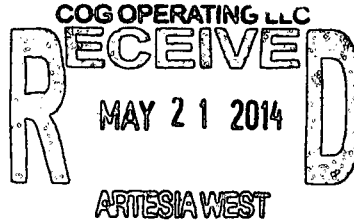
SUMMARY of Subsurface Locations

Surface Location	A-25-25S-33E	330	FN	380	FE	Vert. Depth
Top Perfs/OH	A-25-25S-33E	724	FN	349	FE	9505.80
Bottom Perfs/OH	P-25-25S-33E	4816	FN	353	FE	9596.41
Projected TD	P-25-25S-33E	4906	FN	350	FE	9595.40

OCT 30 2014



PO Box 1370
Artesia, NM 88211-1370
(575) 748-1288



HOBBS OCD

OCT 24 2014

May 6, 2014

RECEIVED

COG, LLC
One Concho Center
600 W. Illinois Ave.
Midland, TX 79701

RE: Dominator 25 Federal #1H
330' FNL & 380' FEL
Sec. 25, T25S, R33E
Lea County, New Mexico

Dear Sir,

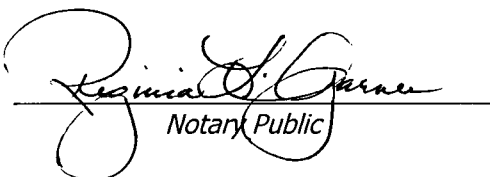
The attached is the Deviation Survey for the above captioned well.

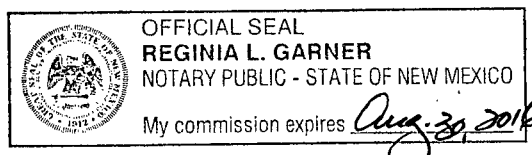
Very truly yours,


Eddie LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 6th day of May, 2014.


Regina L. Garner
Notary Public



Dominator 25 Federal #1H

Date	Depth	Deviation	Direction	TVD	Horiz
4/15/2014	208	1.10		0.00	0.00
4/15/2014	397	0.90		0.00	0.00
4/16/2014	633	1.00		0.00	0.00
4/16/2014	881	1.20		0.00	0.00
4/16/2014	1047	1.00		0.00	0.00
4/18/2014	1173	1.00		0.00	0.00
4/18/2014	1455	0.70		0.00	0.00
4/18/2014	1739	0.40		0.00	0.00
4/18/2014	2022	0.20		0.00	0.00
4/18/2014	2304	0.30		0.00	0.00
4/18/2014	2587	0.60		0.00	0.00
4/18/2014	2870	0.50		0.00	0.00
4/19/2014	3153	1.10		0.00	0.00
4/19/2014	3437	1.90		0.00	0.00
4/19/2014	3720	1.50		0.00	0.00
4/19/2014	4002	2.10		0.00	0.00
4/20/2014	4285	1.00		0.00	0.00
4/20/2014	4569	1.50		0.00	0.00
4/20/2014	4825	2.50		0.00	0.00
4/20/2014	5041	1.50		0.00	0.00
4/22/2014	5403	0.50		0.00	0.00
4/23/2014	5749	0.90		0.00	0.00
4/23/2014	6095	0.60		0.00	0.00
4/23/2014	6445	0.20		0.00	0.00
4/23/2014	6850	0.20		0.00	0.00
4/23/2014	7164	0.70		0.00	0.00
4/23/2014	7511	0.40		0.00	0.00
4/24/2014	7858	0.50		0.00	0.00
4/24/2014	8207	0.50		0.00	0.00
4/24/2014	8551	0.80		0.00	0.00
4/25/2014	8931	0.60		0.00	0.00
4/25/2014	8994	2.70	163.20	0.00	0.00
4/25/2014	9025	5.60	167.80	0.00	0.00
4/26/2014	9056	9.00	169.50	0.00	0.00
4/26/2014	9088	12.50	169.60	0.00	0.00
4/26/2014	9119	15.50	171.50	0.00	0.00
4/26/2014	9151	18.80	173.10	0.00	0.00
4/26/2014	9182	22.20	176.80	0.00	0.00
4/26/2014	9245	27.50	182.10	9232.80	63.30
4/26/2014	9308	33.80	182.90	0.00	0.00
4/26/2014	9359	36.40	182.90	0.00	0.00
4/26/2014	9371	39.80	182.80	9337.30	0.00
4/26/2014	9434	46.20	182.20	9383.20	0.00

Date	Depth	Deviation	Direction	TVD	Horiz
4/27/2014	9560	60.50	184.70	0.00	0.00
4/27/2014	9591	64.20	184.20	0.00	0.00
4/27/2014	9624	68.20	184.00	0.00	0.00
4/27/2014	9655	72.10	183.40	9497.00	0.00
4/27/2014	9749	78.60	183.50	9519.00	0.00
4/27/2014	9902	86.40	181.90	9536.00	0.00
4/28/2014	10063	88.90	180.10	0.00	0.00
4/28/2014	10252	88.60	180.30	0.00	0.00
4/28/2014	10441	87.40	179.00	0.00	0.00
4/28/2014	10629	89.40	178.60	9553.30	0.00
4/29/2014	10726	87.40	177.50	0.00	0.00
4/29/2014	10820	88.70	177.20	0.00	0.00
4/29/2014	10914	90.20	177.00	0.00	0.00
4/29/2014	11103	89.90	179.30	0.00	0.00
4/29/2014	11197	90.70	180.70	0.00	0.00
4/29/2014	11292	90.10	181.30	9558.00	0.00
4/30/2014	11503	88.00	182.10	9561.20	0.00
4/30/2014	11597	88.10	182.10	0.00	0.00
4/30/2014	11691	87.50	182.20	0.00	0.00
4/30/2014	11786	87.80	183.00	9571.90	0.00
4/30/2014	12069	89.90	181.10	9579.40	0.00
5/1/2014	12257	89.30	181.30	0.00	0.00
5/1/2014	12351	89.50	181.10	0.00	0.00
5/1/2014	12446	88.60	179.70	0.00	0.00
5/1/2014	12823	88.40	179.30	9590.70	0.00
5/1/2014	13012	89.00	179.40	9591.20	0.00
5/1/2014	13107	89.10	179.30	9595.70	0.00
5/1/2014	13201	90.00	179.30	9596.50	0.00
5/1/2014	13388	89.50	178.70	9597.50	0.00
5/1/2014	13483	90.00	178.80	0.00	0.00
5/2/2014	13577	90.10	178.80	0.00	0.00
5/2/2014	13671	90.40	178.40	0.00	0.00
5/2/2014	13766	90.70	178.50	0.00	0.00



A GYRO TECHNOLOGIES INC. COMPANY

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

May 7, 2014

HOBBS OCD

OCT 24 2014

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

RECEIVED

Attn: Kanicia Castillo

RE: **Dominator 25 Federal No. 001H**

Please find enclosed a copy of the survey from 0.00' to 8,937.00' ran on the above referenced well.

Sincerely,

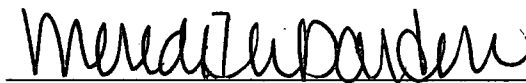

Keith Havelka
Operations

STATE OF TEXAS §

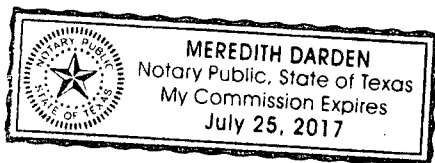
§

COUNTY OF NUECES §

This instrument was acknowledged before me on the 7th day of May,
A.D., 2014, by Keith Havelka.



Meredith Darden
Notary Public, State of Texas





Company: COG Operating, LLC (Concho)
Lease/Well: Dominator 25 Federal No./001H
Location: Sec 25 T25S R33E
Rig Name: Silver Oak 12
State/County: New Mexico/Lea
Latitude: 32.11, Longitude: -103.52
GRID North is 0.43 Degrees East of True North
VS-Azi: 0.00 Degrees



Depth Reference : RKB = 18 Feet

HOBBS OCD

OCT 24 2014

RECEIVED

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: dominator 25 #1h gyro-de_01.ut

Minimum Curvature Method

Report Date/Time: 5/7/2014 / 13:26

VES Survey International

West, Texas

432-563-5444

Surveyor: Chris Bankson

Dominator 25 Federal No. 001H / API 30-025-40211

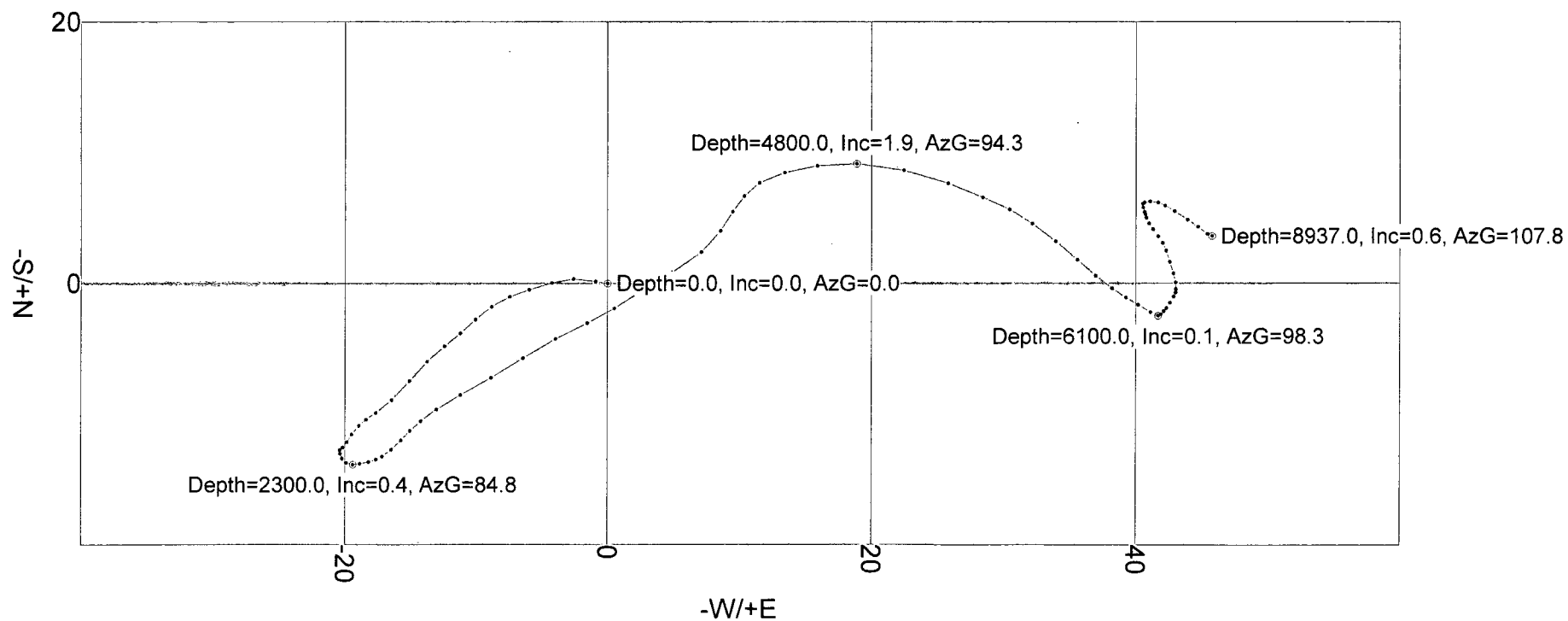
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	1.06	279.46	99.99	0.15	-0.91	0.15	0.93	279.46	1.06
200.00	0.85	271.90	199.98	0.33	-2.58	0.33	2.60	277.29	0.24
300.00	1.10	250.18	299.97	0.03	-4.22	0.03	4.22	270.39	0.44
400.00	0.95	255.38	399.95	-0.51	-5.93	-0.51	5.95	265.12	0.18
500.00	0.83	244.10	499.94	-1.03	-7.38	-1.03	7.45	262.05	0.21
600.00	0.96	238.75	599.93	-1.78	-8.74	-1.78	8.92	258.50	0.16
700.00	0.88	223.17	699.91	-2.77	-9.98	-2.77	10.36	254.49	0.26
800.00	0.89	231.41	799.90	-3.81	-11.11	-3.81	11.75	251.06	0.13
900.00	0.89	229.08	899.89	-4.81	-12.30	-4.81	13.21	248.67	0.04
1000.00	1.13	227.85	999.87	-5.98	-13.62	-5.98	14.88	246.31	0.24
1100.00	1.22	219.34	1099.85	-7.46	-15.03	-7.46	16.78	243.59	0.20
1200.00	1.05	227.39	1199.83	-8.91	-16.39	-8.91	18.65	241.45	0.23
1300.00	0.76	236.98	1299.82	-9.90	-17.62	-9.90	20.21	240.67	0.33
1400.00	0.28	233.46	1399.82	-10.40	-18.37	-10.40	21.11	240.47	0.48
1500.00	0.55	226.20	1499.81	-10.88	-18.91	-10.88	21.81	240.09	0.27
1600.00	0.46	215.86	1599.81	-11.53	-19.49	-11.53	22.64	239.38	0.13
1700.00	0.33	205.09	1699.81	-12.12	-19.84	-12.12	23.25	238.59	0.15
1800.00	0.30	233.37	1799.81	-12.54	-20.18	-12.54	23.76	238.14	0.16

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	0.05	191.41	1899.81	-12.74	-20.40	-12.74	24.05	238.02	0.27
2000.00	0.26	170.78	1999.80	-13.00	-20.37	-13.00	24.17	237.44	0.22
2100.00	0.22	144.70	2099.80	-13.39	-20.22	-13.39	24.25	236.48	0.12
2200.00	0.29	130.54	2199.80	-13.71	-19.92	-13.71	24.18	235.46	0.09
2300.00	0.39	84.83	2299.80	-13.84	-19.39	-13.84	23.83	234.48	0.28
2400.00	0.25	82.62	2399.80	-13.78	-18.84	-13.78	23.34	233.81	0.13
2500.00	0.52	75.63	2499.80	-13.64	-18.18	-13.64	22.73	233.11	0.27
2600.00	0.17	65.68	2599.80	-13.47	-17.60	-13.47	22.16	232.57	0.35
2700.00	0.43	60.82	2699.79	-13.22	-17.13	-13.22	21.64	232.34	0.26
2800.00	0.59	48.69	2799.79	-12.70	-16.42	-12.70	20.76	232.28	0.19
2900.00	0.58	42.89	2899.78	-11.99	-15.69	-11.99	19.75	232.61	0.06
3000.00	0.57	45.09	2999.78	-11.27	-15.00	-11.27	18.76	233.07	0.02
3100.00	0.74	52.34	3099.77	-10.53	-14.14	-10.53	17.63	233.32	0.19
3200.00	1.00	54.12	3199.76	-9.63	-12.92	-9.63	16.11	233.31	0.26
3300.00	1.43	61.77	3299.74	-8.52	-11.11	-8.52	14.00	232.51	0.46
3400.00	1.63	59.53	3399.70	-7.21	-8.78	-7.21	11.36	230.61	0.21
3500.00	1.61	56.64	3499.66	-5.71	-6.38	-5.71	8.56	228.15	0.08
3600.00	1.64	61.46	3599.62	-4.26	-3.95	-4.26	5.80	222.84	0.14
3700.00	1.45	65.14	3699.59	-3.04	-1.54	-3.04	3.41	206.89	0.22
3800.00	1.24	56.61	3799.56	-1.92	0.50	-1.92	1.98	165.23	0.29
3900.00	1.53	56.94	3899.53	-0.59	2.53	-0.59	2.60	103.15	0.30
4000.00	1.61	60.86	3999.49	0.82	4.88	0.82	4.95	80.41	0.13
4100.00	1.51	48.09	4099.46	2.39	7.09	2.39	7.48	71.37	0.36
4200.00	1.01	33.21	4199.43	4.00	8.55	4.00	9.44	64.91	0.59
4300.00	1.00	31.75	4299.42	5.48	9.49	5.48	10.95	60.00	0.03
4400.00	0.71	42.77	4399.40	6.67	10.36	6.67	12.33	57.23	0.33
4500.00	1.08	54.41	4499.39	7.68	11.55	7.68	13.87	56.40	0.41
4600.00	1.33	78.96	4599.37	8.45	13.46	8.45	15.89	57.89	0.56
4700.00	1.54	77.09	4699.34	8.97	15.91	8.97	18.26	60.58	0.22
4800.00	1.92	94.33	4799.29	9.15	18.89	9.15	20.98	64.16	0.64
4900.00	2.21	101.53	4899.23	8.63	22.44	8.63	24.04	68.95	0.39
5000.00	1.80	112.61	4999.17	7.65	25.77	7.65	26.88	73.47	0.56
5100.00	1.45	112.00	5099.13	6.57	28.39	6.57	29.14	76.97	0.35
5200.00	1.10	117.54	5199.10	5.65	30.42	5.65	30.94	79.47	0.37
5300.00	1.26	125.39	5299.08	4.57	32.17	4.57	32.49	81.91	0.23
5400.00	1.30	129.70	5399.06	3.21	33.94	3.21	34.09	84.60	0.10
5500.00	1.18	132.42	5499.03	1.79	35.57	1.79	35.62	87.12	0.13
5600.00	0.93	130.31	5599.02	0.57	36.95	0.57	36.96	89.12	0.25
5700.00	0.85	126.12	5699.00	-0.40	38.17	-0.40	38.18	90.60	0.10

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	0.61	118.54	5799.00	-1.09	39.24	-1.09	39.26	91.59	0.26
5900.00	0.63	123.32	5898.99	-1.65	40.17	-1.65	40.21	92.35	0.05
6000.00	0.61	119.23	5998.98	-2.21	41.09	-2.21	41.15	93.08	0.05
6100.00	0.12	98.28	6098.98	-2.48	41.66	-2.48	41.74	93.41	0.49
6200.00	0.20	43.25	6198.98	-2.37	41.89	-2.37	41.96	93.24	0.17
6300.00	0.16	38.85	6298.98	-2.13	42.10	-2.13	42.15	92.90	0.05
6400.00	0.20	38.40	6398.98	-1.89	42.29	-1.89	42.34	92.56	0.04
6500.00	0.35	33.27	6498.98	-1.50	42.57	-1.50	42.60	92.01	0.15
6600.00	0.29	27.13	6598.98	-1.02	42.85	-1.02	42.86	91.36	0.07
6700.00	0.10	16.12	6698.98	-0.71	42.99	-0.71	43.00	90.94	0.18
6800.00	0.19	1.49	6798.98	-0.45	43.02	-0.45	43.02	90.60	0.09
6900.00	0.39	355.68	6898.98	0.06	43.00	0.06	43.00	89.93	0.21
7000.00	0.44	338.92	6998.97	0.75	42.84	0.75	42.84	88.99	0.13
7100.00	0.62	344.71	7098.97	1.63	42.56	1.63	42.59	87.81	0.19
7200.00	0.43	339.28	7198.97	2.50	42.28	2.50	42.35	86.61	0.19
7300.00	0.31	329.10	7298.96	3.09	42.01	3.09	42.12	85.80	0.14
7400.00	0.40	324.94	7398.96	3.60	41.67	3.60	41.83	85.06	0.10
7500.00	0.36	323.26	7498.96	4.14	41.28	4.14	41.49	84.27	0.04
7600.00	0.26	326.20	7598.96	4.58	40.97	4.58	41.22	83.62	0.10
7700.00	0.28	344.19	7698.96	5.01	40.77	5.01	41.08	82.99	0.09
7800.00	0.04	341.16	7798.96	5.28	40.69	5.28	41.04	82.61	0.25
7900.00	0.18	342.22	7898.96	5.45	40.64	5.45	41.00	82.35	0.14
8000.00	0.22	343.04	7998.96	5.79	40.53	5.79	40.94	81.87	0.04
8100.00	0.11	13.72	8098.95	6.07	40.50	6.07	40.95	81.47	0.14
8200.00	0.13	74.77	8198.95	6.20	40.63	6.20	41.10	81.33	0.12
8300.00	0.37	85.22	8298.95	6.25	41.06	6.25	41.53	81.34	0.24
8400.00	0.35	110.14	8398.95	6.17	41.66	6.17	42.12	81.57	0.16
8500.00	0.32	116.57	8498.95	5.94	42.20	5.94	42.62	81.98	0.04
8600.00	0.64	123.34	8598.95	5.51	42.92	5.51	43.27	82.68	0.32
8700.00	0.70	123.49	8698.94	4.87	43.89	4.87	44.16	83.67	0.07
8800.00	0.40	131.31	8798.93	4.30	44.67	4.30	44.87	84.50	0.31
8900.00	0.62	123.56	8898.93	3.77	45.38	3.77	45.53	85.25	0.22
8937.00	0.58	107.85	8935.93	3.60	45.72	3.60	45.86	85.49	0.45



VES Survey International
West, Texas
432-563-5444
Surveyor: Chris Bankson
Dominator 25 Federal No. 001H / API 30-025-40211



VES Survey Date: 04/24/2014



HOBBS OGD

OCT 24 2014

RECEIVED

COG Operating LLC

Lea County, NM (NAD27 NME)

Dominator "25"

#1H

OH

Survey: MWD #1

Survey Report - Geographic

04 May, 2014



Wellplanning Survey Report - Geographic

Company:	COG Operating LLC	Local Co-ordinate Reference:	Well #1H
Project:	Lea County, NM (NAD27 NME)	TVD Reference:	WELL @ 3342.0usft (Original Well Elev)
Site:	Dominator "25"	MD Reference:	WELL @ 3342.0usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Project	Lea County, NM (NAD27 NME)		
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	Dominator "25"				
Site Position:	Map	Northing:	403,865.63 usft	Latitude:	32° 6' 24.457 N
From:	Map	Easting:	793,580.12 usft	Longitude:	103° 23' 6.730 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.50 °

Well	#1H					
Well Position	+N/-S	0.0 usft	Northing:	403,865.63 usft	Latitude:	32° 6' 24.457 N
	+E/-W	0.0 usft	Easting:	793,580.12 usft	Longitude:	103° 23' 6.730 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,324.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/25/2014	7.15	60.04	48,289

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	179.58	

Survey Program	Date	5/4/2014		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	8,937.0	GYRO (OH)	MWD	MWD - Standard
8,962.0	13,875.0	MWD #1 (OH)	MWD	MWD - Standard

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
8,937.0	0.58	107.85	8,935.9	3.6	45.7	403,869.23	793,625.85	32° 6' 24.488 N	103° 23' 6.198 W
8,962.0	0.60	128.00	8,960.9	3.5	46.0	403,869.11	793,626.07	32° 6' 24.487 N	103° 23' 6.196 W
8,994.0	2.70	163.20	8,992.9	2.7	46.3	403,868.29	793,626.42	32° 6' 24.479 N	103° 23' 6.192 W
9,025.0	5.60	167.80	9,023.8	0.5	46.8	403,866.11	793,626.95	32° 6' 24.457 N	103° 23' 6.186 W
9,056.0	9.00	169.50	9,054.6	-3.4	47.6	403,862.24	793,627.71	32° 6' 24.419 N	103° 23' 6.177 W
9,088.0	12.50	169.60	9,086.0	-9.3	48.7	403,856.38	793,628.79	32° 6' 24.361 N	103° 23' 6.165 W
9,119.0	15.50	171.50	9,116.1	-16.7	49.9	403,848.98	793,630.01	32° 6' 24.287 N	103° 23' 6.152 W
9,151.0	18.80	173.10	9,146.7	-26.0	51.1	403,839.63	793,631.26	32° 6' 24.195 N	103° 23' 6.138 W
9,182.0	22.20	176.80	9,175.7	-36.8	52.1	403,828.82	793,632.19	32° 6' 24.088 N	103° 23' 6.129 W
9,214.0	24.80	178.50	9,205.0	-49.6	52.6	403,816.07	793,632.71	32° 6' 23.962 N	103° 23' 6.124 W
9,245.0	27.50	182.10	9,232.9	-63.2	52.5	403,802.41	793,632.61	32° 6' 23.826 N	103° 23' 6.126 W



Wellplanning
Survey Report - Geographic

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Project:	Lea County, NM (NAD27 NME)	TVD Reference:	WELL @ 3342.0usft (Original Well Elev)
Site:	Dominator "25"	MD Reference:	WELL @ 3342.0usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,276.0	31.40	183.00	9,259.8	-78.4	51.8	403,787.19	793,631.93	32° 6' 23.676 N	103° 23' 6.136 W
9,308.0	33.80	182.90	9,286.8	-95.7	50.9	403,769.98	793,631.04	32° 6' 23.506 N	103° 23' 6.148 W
9,339.0	36.40	182.90	9,312.2	-113.5	50.0	403,752.17	793,630.14	32° 6' 23.330 N	103° 23' 6.160 W
9,371.0	39.80	182.80	9,337.3	-133.2	49.0	403,732.46	793,629.16	32° 6' 23.135 N	103° 23' 6.174 W
9,402.0	43.30	182.60	9,360.5	-153.7	48.1	403,711.92	793,628.19	32° 6' 22.931 N	103° 23' 6.187 W
9,434.0	46.20	182.80	9,383.3	-176.2	47.0	403,689.42	793,627.13	32° 6' 22.709 N	103° 23' 6.202 W
9,465.0	49.20	184.80	9,404.1	-199.1	45.5	403,666.55	793,625.60	32° 6' 22.483 N	103° 23' 6.222 W
9,497.0	53.10	185.10	9,424.2	-223.9	43.3	403,641.72	793,623.45	32° 6' 22.237 N	103° 23' 6.249 W
9,528.0	56.40	185.20	9,442.1	-249.1	41.1	403,616.51	793,621.18	32° 6' 21.988 N	103° 23' 6.278 W
9,560.0	60.50	184.70	9,458.8	-276.3	38.7	403,589.35	793,618.83	32° 6' 21.719 N	103° 23' 6.308 W
9,591.0	64.20	184.20	9,473.2	-303.6	36.6	403,561.98	793,616.70	32° 6' 21.449 N	103° 23' 6.336 W
9,624.0	68.20	184.00	9,486.5	-333.8	34.4	403,531.87	793,614.54	32° 6' 21.151 N	103° 23' 6.364 W
9,655.0	72.10	183.40	9,497.0	-362.9	32.5	403,502.78	793,612.66	32° 6' 20.863 N	103° 23' 6.389 W
9,687.0	76.00	183.30	9,505.8	-393.6	30.7	403,472.07	793,610.86	32° 6' 20.560 N	103° 23' 6.413 W
9,718.0	78.10	183.40	9,512.8	-423.7	29.0	403,441.91	793,609.10	32° 6' 20.261 N	103° 23' 6.437 W
9,749.0	78.60	183.50	9,519.0	-454.0	27.2	403,411.60	793,607.27	32° 6' 19.962 N	103° 23' 6.461 W
9,781.0	80.40	183.60	9,524.9	-485.4	25.2	403,380.20	793,605.32	32° 6' 19.651 N	103° 23' 6.487 W
9,812.0	83.40	183.50	9,529.2	-516.1	23.3	403,349.57	793,603.42	32° 6' 19.348 N	103° 23' 6.512 W
9,844.0	86.20	183.30	9,532.1	-547.9	21.4	403,317.76	793,601.53	32° 6' 19.033 N	103° 23' 6.537 W
9,875.0	86.00	183.20	9,534.3	-578.7	19.7	403,286.89	793,599.78	32° 6' 18.728 N	103° 23' 6.561 W
9,906.0	86.40	181.90	9,536.3	-609.6	18.3	403,255.98	793,598.40	32° 6' 18.422 N	103° 23' 6.580 W
9,938.0	88.30	180.60	9,537.8	-641.6	17.6	403,224.03	793,597.71	32° 6' 18.106 N	103° 23' 6.591 W
9,969.0	89.00	180.20	9,538.5	-672.6	17.4	403,193.04	793,597.49	32° 6' 17.800 N	103° 23' 6.597 W
10,063.0	88.90	180.10	9,540.2	-766.6	17.1	403,099.05	793,597.24	32° 6' 16.870 N	103° 23' 6.610 W
10,158.0	88.60	179.90	9,542.3	-861.6	17.1	403,004.08	793,597.24	32° 6' 15.930 N	103° 23' 6.619 W
10,252.0	88.60	180.30	9,544.6	-955.5	17.0	402,910.11	793,597.08	32° 6' 15.000 N	103° 23' 6.631 W
10,347.0	88.70	180.20	9,546.8	-1,050.5	16.5	402,815.13	793,596.67	32° 6' 14.060 N	103° 23' 6.645 W
10,441.0	87.40	179.00	9,550.0	-1,144.4	17.2	402,721.19	793,597.32	32° 6' 13.131 N	103° 23' 6.647 W
10,535.0	89.60	178.10	9,552.5	-1,238.4	19.6	402,627.26	793,599.70	32° 6' 12.201 N	103° 23' 6.629 W
10,629.0	89.40	178.60	9,553.3	-1,332.3	22.3	402,533.31	793,602.41	32° 6' 11.271 N	103° 23' 6.607 W
10,726.0	87.40	177.50	9,556.0	-1,429.2	25.6	402,436.41	793,605.70	32° 6' 10.312 N	103° 23' 6.579 W
10,820.0	88.70	177.20	9,559.2	-1,523.1	29.9	402,342.56	793,610.05	32° 6' 9.383 N	103° 23' 6.538 W
10,914.0	90.20	177.00	9,560.1	-1,616.9	34.7	402,248.69	793,614.80	32° 6' 8.454 N	103° 23' 6.492 W
11,009.0	90.50	177.80	9,559.6	-1,711.8	39.0	402,153.79	793,619.11	32° 6' 7.514 N	103° 23' 6.452 W
11,103.0	89.90	179.30	9,559.2	-1,805.8	41.4	402,059.82	793,621.49	32° 6' 6.584 N	103° 23' 6.434 W
11,197.0	90.70	180.70	9,558.7	-1,899.8	41.4	401,965.83	793,621.49	32° 6' 5.654 N	103° 23' 6.444 W
11,292.0	90.10	181.30	9,558.1	-1,994.8	39.7	401,870.85	793,619.83	32° 6' 4.714 N	103° 23' 6.473 W
11,386.0	89.30	181.60	9,558.6	-2,088.8	37.3	401,776.88	793,617.46	32° 6' 3.785 N	103° 23' 6.510 W
11,503.0	88.00	182.10	9,561.3	-2,205.7	33.6	401,659.97	793,613.68	32° 6' 2.628 N	103° 23' 6.566 W
11,597.0	88.10	182.10	9,564.5	-2,299.5	30.1	401,566.09	793,610.24	32° 6' 1.700 N	103° 23' 6.615 W
11,691.0	87.50	182.20	9,568.1	-2,393.4	26.6	401,472.23	793,606.71	32° 6' 0.771 N	103° 23' 6.666 W
11,786.0	87.80	183.00	9,572.0	-2,488.2	22.3	401,377.41	793,602.41	32° 5' 59.833 N	103° 23' 6.726 W
11,880.0	87.80	182.30	9,575.6	-2,582.1	17.9	401,283.58	793,598.06	32° 5' 58.905 N	103° 23' 6.786 W
11,974.0	88.80	181.70	9,578.4	-2,676.0	14.7	401,189.68	793,594.79	32° 5' 57.976 N	103° 23' 6.833 W
12,069.0	89.90	181.10	9,579.5	-2,770.9	12.3	401,094.71	793,592.46	32° 5' 57.037 N	103° 23' 6.870 W
12,163.0	90.60	181.80	9,579.1	-2,864.9	10.0	401,000.75	793,590.09	32° 5' 56.107 N	103° 23' 6.907 W
12,257.0	89.30	181.30	9,579.2	-2,958.8	7.4	400,906.78	793,587.54	32° 5' 55.178 N	103° 23' 6.946 W
12,351.0	89.50	181.10	9,580.2	-3,052.8	5.5	400,812.81	793,585.58	32° 5' 54.248 N	103° 23' 6.979 W
12,446.0	88.60	179.70	9,581.7	-3,147.8	4.8	400,717.83	793,584.91	32° 5' 53.308 N	103° 23' 6.996 W
12,540.0	88.90	179.40	9,583.8	-3,241.8	5.5	400,623.85	793,585.65	32° 5' 52.378 N	103° 23' 6.997 W
12,634.0	88.40	178.70	9,586.0	-3,335.7	7.1	400,529.89	793,587.21	32° 5' 51.448 N	103° 23' 6.989 W
12,729.0	88.70	179.40	9,588.4	-3,430.7	8.7	400,434.94	793,588.78	32° 5' 50.508 N	103° 23' 6.980 W
12,823.0	88.40	179.30	9,590.8	-3,524.7	9.7	400,340.97	793,589.85	32° 5' 49.578 N	103° 23' 6.977 W
12,918.0	89.20	178.90	9,592.8	-3,619.6	11.2	400,246.01	793,591.34	32° 5' 48.639 N	103° 23' 6.970 W
13,012.0	89.00	179.40	9,594.2	-3,713.6	12.6	400,152.03	793,592.73	32° 5' 47.709 N	103° 23' 6.963 W



Wellplanning
Survey Report - Geographic

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Site:	Dominator "25"	MD Reference:	WELL @ 3342.0usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
13,107.0	89.10	179.30	9,595.8	-3,808.6	13.7	400,057.05	793,593.81	32° 5' 46.769 N	103° 23' 6.960 W
13,201.0	90.00	179.30	9,596.6	-3,902.6	14.8	399,963.06	793,594.96	32° 5' 45.839 N	103° 23' 6.957 W
13,295.0	89.60	179.10	9,596.9	-3,996.6	16.2	399,869.07	793,596.27	32° 5' 44.908 N	103° 23' 6.951 W
13,388.0	89.50	178.70	9,597.6	-4,089.5	17.9	399,776.09	793,598.06	32° 5' 43.988 N	103° 23' 6.940 W
13,483.0	90.00	178.80	9,598.0	-4,184.5	20.0	399,681.11	793,600.13	32° 5' 43.048 N	103° 23' 6.925 W
13,577.0	90.10	178.80	9,597.9	-4,278.5	22.0	399,587.13	793,602.10	32° 5' 42.118 N	103° 23' 6.912 W
13,671.0	90.40	178.40	9,597.5	-4,372.5	24.3	399,493.16	793,604.40	32° 5' 41.188 N	103° 23' 6.895 W
13,766.0	90.70	178.50	9,596.6	-4,467.4	26.8	399,398.20	793,606.97	32° 5' 40.248 N	103° 23' 6.875 W
13,825.0	90.60	178.40	9,596.0	-4,526.4	28.4	399,339.23	793,608.56	32° 5' 39.664 N	103° 23' 6.862 W
13,875.0	90.60	178.40	9,595.4	-4,576.4	29.8	399,289.25	793,609.96	32° 5' 39.170 N	103° 23' 6.851 W

PBHL(D25#1H)

Checked By:	Approved By:	Date:
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