

Submit 1 Copy To Appropriate District
Office

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103

October 13, 2009

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)		WELL API NO. 30-015-38488
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator COG Operating LLC		6. State Oil & Gas Lease No.
3. Address of Operator 2208 W. Main Street, Artesia, NM 88210		7. Lease Name or Unit Agreement Name Honey Graham State Com
4. Well Location Unit Letter <u>C</u> : <u>330</u> feet from the <u>North</u> line and <u>2310</u> feet from the <u>West</u> line Section <u>29</u> Township <u>26S</u> Range <u>28E</u> NMPM <u>Eddy</u> County		8. Well Number 6H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2996'		9. OGRID Number 229137
		10. Pool name or Wildcat Hay Hollow; Bone Spring

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: Completion Operations ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion

8/15/11 to 8/17/11 MIRU WSU. Drill cmt & clean down to PBTD @ 13156'. Circulate clean.

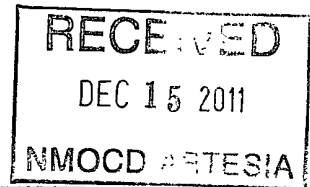
8/18/11 to 9/4/11 Perforate Bone Spring 6795-13136'. Acdz w/59640 gal 7 1/2% acid; Frac w/5922792# sand & 4353023 gal fluid.

9/11/11 to 9/19/11 Flowing back.

9/21/11 to 9/23/11 Drill out all frac plugs. Circulate hole clean.

9/26/11 to 9/27/11 Set 2 7/8" 6.5# J-55 tbg & pkr @ 5998'.

12/1/11 Began flowing back & testing.



Spud Date:

6/18/11

Rig Release Date:

7/19/11

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Stormi Davis

TITLE: Regulatory Analyst

DATE: 12/12/11

Type or print name: Stormi Davis

E-mail address: sdavis@concho.com

PHONE: (575) 748-6946

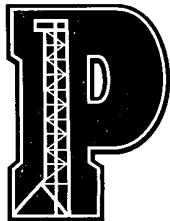
For State Use Only

APPROVED BY: T. C. Shugart

TITLE: Geologist

DATE: 12/19/2011

Conditions of Approval (if any):



PATRIOT DRILLING, LLC

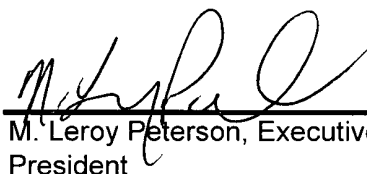
36-015-38488

OPERATOR: COG Operating, LLC.
WELL/LEASE: Honey Graham 29 State # 6-H
COUNTY: Eddy Co., New Mexico
Sec. 29, T26S, R28E

**STATE OF NEW MEXICO
DEVIATION REPORT**

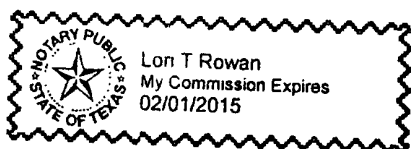
<u>Depth</u>	<u>Deviation</u>	<u>Depth</u>	<u>Deviation</u>
289	1/4	1,626	1
355	1/4	1,721	1/4
440	1/4	1,819	1/2
499	3/4	1,914	1 1/4
589	1 1/2	2,007	2
683	2 1/2	2,098	2
778	1 3/4	2,191	3/4
872	1 1/2	2,744	1 1/2
970	1 1/2	3,229	1 1/4
1,064	2	3,729	1 1/2
1,248	1 3/4	4,229	3/4
1,342	2	4,715	2
1,437	2	5,200	1 3/4
1,532	2 1/2	5,705	1 1/2

Patriot Drilling, LLC


M. Leroy Peterson, Executive Vice-
President

The foregoing instrument was acknowledged before me on this 19th day of July, 2011 by M. Leroy Peterson, Executive Vice-President of Patriot Drilling, LLC.

My Commission Expires: 02/01/2015




Lori T. Rowan
Notary Public for Ector Co., Texas

30-015-38488

COG OPERATING

Hay Hollow
Eddy County, NM
Honey Graham State #6H
VH - Job 332K0611603

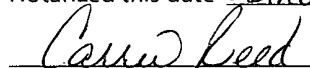
Survey: Actual

SDI Standard Survey Report

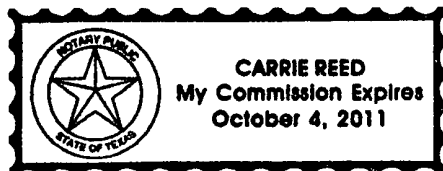
This survey is correct to the best of my knowledge and is supported by actual field data.



Notarized this date 22nd of July, 2011.



Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	COG OPERATING	Local Co-ordinate Reference:	Well Honey Graham State #6H
Project:	Hay Hollow	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Honey Graham State #6H	North Reference:	Grid
Wellbore:	VH - Job 332K0611603	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job 332K0611603	Database:	EDM-Regulatory

Project	Hay Hollow		
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	Eddy County, NM		
Site Position:		Northing:	386,239 33 usft
From:	Lat/Long	Easting:	572,312 98 usft
Position Uncertainty:	0 0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 3' 42 020 N
		Longitude:	104° 5' 59 660 W
		Grid Convergence:	0 12 °

Well	Honey Graham State #6H, Directional (DDC)		
Well Position	+N/-S	0 0 usft	Northing: 371,073 40 usft
	+E/-W	0 0 usft	Easting: 568,907 26 usft
Position Uncertainty	0 0 usft	Wellhead Elevation:	usft
		Latitude:	32° 1' 12 000 N
		Longitude:	104° 6' 39 600 W
		Ground Level:	0 0 usft

Wellbore	VH - Job 332K0611603		
Magnetics	Model Name	Sample Date	Declination
	IGRF2010	6/27/2011	(°)
			7 81
			Dip Angle (°)
			59 90
			Field Strength (nT)
			48,454

Design	VH - Job 332K0611603		
Audit Notes:			
Version:	1 0	Phase:	ACTUAL
		Tie On Depth:	0 0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0 0	0 0	0 0
			Direction
			(°)
			180 08

Survey Program	Date	7/21/2011		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
100 0	6,028 0	Actual (VH - Job 332K0611603)	Keeper	Keeper Gyro

Survey								
Measured Depth	Inclination	Azimuth	True Vertical	North/South	East/West	Closure Azimuth	Closure Distance	
(usft)	(°)	(°)	Depth	(usft)	(usft)	(°)	(usft)	
0 0	0 00	0 00	0 0	0 0	0 0	0 00	0 0	
100 0	0 68	11 66	100 0	0 6	0 1	11 66	0 6	
200 0	0 87	1 43	200 0	1 9	0 3	7 67	1 9	
300 0	0 67	344 50	300 0	3 2	0 1	2 15	3 2	
400 0	0 53	297 92	400 0	4 0	-0 4	353 71	4 0	
500 0	0 90	228 90	500 0	3 7	-1 4	338 81	4 0	
600 0	1 43	192 15	599 9	2 0	-2 3	310 85	3 0	
700 0	1 55	200 24	699 9	-0 5	-3 0	260 61	3 1	
800 0	1 56	199 67	799 9	-3 1	-4 0	232 35	5 0	
900 0	1 30	209 08	899 8	-5 3	-5 0	222 99	7 3	
1,000 0	1 64	234 85	999 8	-7 1	-6 7	223 12	9 8	
1,100 0	2 08	244 38	1,099 8	-8 7	-9 5	227 33	12 9	

Scientific Drilling International, Inc.

SDI Standard Survey Report



Company:	COG OPERATING	Local Co-ordinate Reference:	Well Honey Graham State #6H
Project:	Hay Hollow	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Honey Graham State #6H	North Reference:	Grid
Wellbore:	VH - Job 332K0611603	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job 332K0611603	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
1,200 0	2 01	249 64	1,199 7	-10 1	-12 8	231 54	16 3
1,300 0	1 83	249 63	1,299 6	-11 3	-15 9	234 60	19 5
1,400 0	1 77	256 05	1,399 6	-12 2	-18 9	237 09	22 5
1,500 0	1 82	257 45	1,499 5	-13 0	-22 0	239 46	25 5
1,600 0	1 07	264 95	1,599 5	-13 4	-24 4	241 30	27 9
1,700 0	0 31	227 57	1,699 5	-13 6	-25 6	241 91	29 0
1,800 0	0 25	183 75	1,799 5	-14 0	-25 8	241 42	29 4
1,900 0	0 87	104 70	1,899 5	-14 5	-25 1	240 02	28 9
2,000 0	1 45	93 55	1,999 5	-14 7	-23 1	237 44	27 4
2,100 0	1 58	96 48	2,099 4	-15 0	-20 4	233 78	25 3
2,200 0	0 95	91 75	2,199 4	-15 1	-18 2	230 29	23 7
2,300 0	0 15	155 09	2,299 4	-15 3	-17 4	228 62	23 1
2,400 0	0 24	219 26	2,399 4	-15 6	-17 4	228 23	23 4
2,500 0	0 19	275 35	2,499 4	-15 7	-17 7	228 44	23 7
2,600 0	0 27	304 45	2,599 4	-15 6	-18 1	229 28	23 9
2,700 0	0 49	297 53	2,699 4	-15 2	-18 7	230 77	24 1
2,800 0	0 56	286 31	2,799 4	-14 9	-19 5	232 62	24 5
2,900 0	0 71	246 75	2,899 4	-15 0	-20 5	233 85	25 4
3,000 0	0 62	243 74	2,999 4	-15 5	-21 6	234 35	26 6
3,100 0	0 65	241 88	3,099 4	-16 0	-22 6	234 69	27 7
3,200 0	0 72	235 89	3,199 4	-16 6	-23 6	234 85	28 9
3,300 0	0 76	232 93	3,299 4	-17 4	-24 7	234 83	30 2
3,400 0	0 73	229 53	3,399 4	-18 2	-25 7	234 69	31 5
3,500 0	0 74	233 79	3,499 4	-19 0	-26 7	234 57	32 7
3,600 0	0 77	235 43	3,599 3	-19 7	-27 7	234 57	34 1
3,700 0	0 81	232 46	3,699 3	-20 6	-28 9	234 54	35 4
3,800 0	0 90	227 68	3,799 3	-21 5	-30 0	234 36	36 9
3,900 0	0 99	220 39	3,899 3	-22 7	-31 1	233 91	38 5
4,000 0	0 98	212 58	3,999 3	-24 1	-32 2	233 18	40 2
4,100 0	1 02	213 42	4,099 3	-25 5	-33 1	232 36	41 8
4,200 0	1 22	212 13	4,199 3	-27 2	-34 2	231 49	43 7
4,300 0	1 16	213 40	4,299 2	-28 9	-35 3	230 66	45 6
4,400 0	1 43	208 71	4,399 2	-30 9	-36 5	229 74	47 8
4,500 0	1 69	204 91	4,499 2	-33 3	-37 7	228 52	50 3
4,600 0	2 01	198 50	4,599 1	-36 3	-38 8	226 94	53 2
4,700 0	2 32	195 26	4,699 1	-39 9	-39 9	225 01	56 5
4,800 0	2 38	194 44	4,799 0	-43 9	-41 0	223 05	60 0
4,900 0	2 24	198 05	4,898 9	-47 8	-42 1	221 41	63 7
5,000 0	2 06	199 38	4,998 8	-51 3	-43 3	220 17	67 1
5,100 0	2 29	197 65	5,098 7	-54 9	-44 5	219 03	70 7
5,200 0	2 27	196 55	5,198 7	-58 7	-45 7	217 89	74 4
5,300 0	2 39	191 86	5,298 6	-62 6	-46 7	216 69	78 1
5,400 0	2 54	193 82	5,398 5	-66 8	-47 6	215 48	82 1
5,500 0	2 56	191 97	5,498 4	-71 2	-48 6	214 34	86 2

Scientific Drilling International, Inc.

SDI Standard Survey Report



Company:	COG OPERATING	Local Co-ordinate Reference:	Well Honey Graham State #6H
Project:	Hay Hollow	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Honey Graham State #6H	North Reference:	Grid
Wellbore:	VH - Job 332K0611603	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job 332K0611603	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
5,600 0	2 27	193 54	5,598 3	-75 3	-49 6	213 35	90 1
5,700 0	2 36	190 33	5,698 2	-79 2	-50 4	212 45	93 9
5,800 0	2 46	189 39	5,798 1	-83 4	-51 1	211 51	97 8
5,900 0	2 02	186 58	5,898 1	-87 2	-51 7	210 63	101 4
6,000 0	2 17	184 45	5,998 0	-90 9	-52 0	209 78	104 7
6,028 0	2 13	181 08	6,026 0	-91 9	-52 1	209 52	105 7



Project: Hay Hollow
Eddy County, NM
Well: Honey Graham State #6H
Wellbore: VH - Job 332K0611603
Design: VH - Job 332K0611603

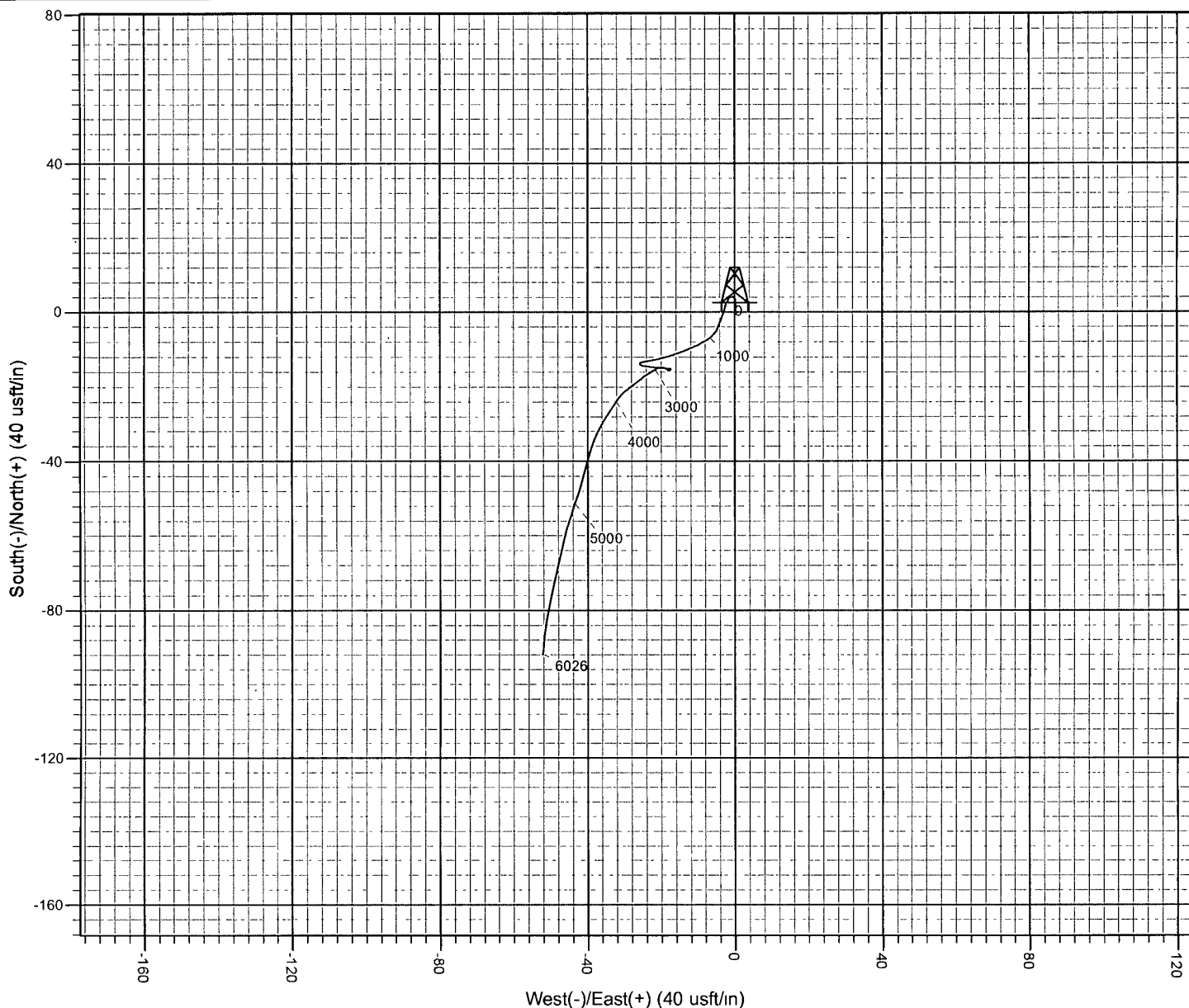


Azimuths to Grid North
True North -0 12°
Magnetic North 7 69°

Magnetic Field
Strength 48454 4snT
Dip Angle 59 90°
Date 6/27/2011
Model IGRF2010

WELL DETAILS: Honey Graham State #6H
WELL @ 0.0usft (Original Well Elev)
Ground Level: 0 0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	371073.40	568907.26	32° 1' 12.000 N	104° 6' 39.600 W	



PROJECT DETAILS: Hay Hollow
Geodetic System: US State Plane 1927 (Exact solution)
Datum NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

SITE DETAILS: Eddy County, NM
Site Centre Latitude: 32° 3' 42.020 N
Longitude: 104° 5' 59.660 W
Positional Uncertainty: 0.0
Convergence: 0.12
Local North: Grid

COG Operating, LLC

**Eddy County, NM
Sec 29, T26S, R28E
Honey Graham 29 #6H**

Sidetrack #1

Survey: MWD Sidetrack #1

DDC Survey Report

20 July, 2011



DDC Survey Report



Company:	COG Operating, LLC	Local Co-ordinate Reference:	Well Honey Graham 29 #6H
Project:	Eddy County, NM	TVD Reference:	WELL @ 3013 0usft (Patriot #3)
Site:	Sec 29, T26S, R28E	MD Reference:	WELL @ 3013 0usft (Patriot #3)
Well:	Honey Graham 29 #6H	North Reference:	Grid
Wellbore:	Sidetrack #1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack #1	Database:	EDM 5000.1 Single User Db

Project	Eddy County, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec 29, T26S, R28E
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Site Position:		Northing:	371,041.79 usft	Latitude:	32° 1' 11.562 N
From:	Map	Easting:	610,356.46 usft	Longitude:	104° 6' 38.287 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0 12 °

Well	Honey Graham 29 #6H				
Well Position	+N/-S	0.0 usft	Northing:	371,041.79 usft	Latitude: 32° 1' 11.562 N
	+E/-W	0.0 usft	Easting:	610,356.46 usft	Longitude: 104° 6' 38.287 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	usft	Ground Level: 2,996.0 usft

Wellbore	Sidetrack #1
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/4/2011	7.81	59.90	48,430

Design	Sidetrack #1
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Audit Notes:	
Version:	1.0
Phase:	ACTUAL
Tie On Depth:	6,028.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	180.08

Survey Program		Date 7/20/2011		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	6,028.0	GYRO (Wellbore #1)	Good_gyro	Good Gyro
6,077.0	13,204.0	MWD Sidetrack #1 (Sidetrack #1)	MWD default	MWD - Standard

Survey	Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
Tie into Gyro										
	6,028.0	2.13	181.08	6,026.0	-91.9	-52.1	92.0	0.00	0.00	0.00
	6,077.0	3.10	185.10	6,074.9	-94.2	-52.2	94.2	2.01	1.98	8.20
	6,109.0	5.10	175.00	6,106.8	-96.4	-52.1	96.5	6.62	6.25	-31.56
	6,141.0	9.80	179.10	6,138.6	-100.6	-52.0	100.7	14.77	14.69	12.81
	6,172.0	13.90	185.10	6,168.9	-106.9	-52.3	107.0	13.79	13.23	19.35
	6,203.0	17.50	190.80	6,198.7	-115.2	-53.5	115.3	12.62	11.61	18.39
	6,235.0	20.90	196.10	6,228.9	-125.4	-56.0	125.5	11.93	10.63	16.56
	6,265.0	24.10	199.60	6,256.7	-136.4	-59.5	136.4	11.56	10.67	11.67
	6,296.0	27.10	200.70	6,284.6	-148.9	-64.1	149.0	9.80	9.68	3.55

DDC
Survey Report



Company:	COG Operating, LLC	Local Co-ordinate Reference:	Well Honey Graham 29 #6H
Project:	Eddy County, NM	TVD Reference:	WELL @ 3013.0usft (Patriot #3)
Site:	Sec 29, T26S, R28E	MD Reference:	WELL @ 3013 0usft (Patriot #3)
Well:	Honey Graham 29 #6H	North Reference:	Grid
Wellbore:	Sidetrack #1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,328.0	29.90	199.70	6,312.7	-163.3	-69.4	163.4	8.88	8.75	-3.13
6,359.0	32.40	197.50	6,339.3	-178.5	-74.5	178.6	8.86	8.06	-7.10
6,390.0	35.10	196.70	6,365.0	-194.9	-79.5	195.0	8.83	8.71	-2.58
6,421.0	37.60	193.50	6,390.0	-212.7	-84.3	212.8	10.12	8.06	-10.32
6,453.0	40.50	193.60	6,414.9	-232.2	-89.0	232.4	9.06	9.06	0.31
6,484.0	43.70	193.60	6,437.9	-252.4	-93.9	252.6	10.32	10.32	0.00
6,515.0	47.00	191.40	6,459.6	-274.0	-98.7	274.1	11.78	10.65	-7.10
6,546.0	50.60	188.90	6,480.1	-296.9	-102.8	297.1	13.10	11.61	-8.06
6,578.0	54.10	186.60	6,499.6	-322.0	-106.2	322.2	12.33	10.94	-7.19
6,610.0	56.70	185.60	6,517.8	-348.2	-109.0	348.4	8.52	8.13	-3.13
6,641.0	58.80	184.60	6,534.3	-374.3	-111.3	374.5	7.30	6.77	-3.23
6,672.0	60.70	182.70	6,549.9	-401.1	-113.0	401.2	8.10	6.13	-6.13
6,703.0	64.10	180.70	6,564.3	-428.5	-113.8	428.7	12.37	10.97	-6.45
6,734.0	67.70	179.30	6,576.9	-456.8	-113.8	457.0	12.32	11.61	-4.52
6,766.0	71.50	178.60	6,588.1	-486.8	-113.3	486.9	12.05	11.88	-2.19
6,797.0	75.30	178.90	6,597.0	-516.5	-112.6	516.6	12.29	12.26	0.97
6,828.0	77.90	179.10	6,604.1	-546.6	-112.1	546.8	8.41	8.39	0.65
6,859.0	80.60	179.30	6,609.9	-577.1	-111.7	577.2	8.73	8.71	0.65
6,893.0	84.60	179.70	6,614.3	-610.8	-111.4	610.9	11.82	11.76	1.18
6,957.0	88.90	179.70	6,617.9	-674.7	-111.0	674.8	6.72	6.72	0.00
7,019.0	90.30	179.60	6,618.4	-736.7	-110.7	736.8	2.26	2.26	-0.16
7,083.0	91.10	179.20	6,617.6	-800.7	-110.0	800.8	1.40	1.25	-0.63
7,145.0	90.50	179.40	6,616.7	-862.6	-109.2	862.8	1.02	-0.97	0.32
7,207.0	89.20	178.40	6,616.9	-924.6	-108.0	924.8	2.65	-2.10	-1.61
7,271.0	88.90	178.30	6,617.9	-988.6	-106.2	988.7	0.49	-0.47	-0.16
7,334.0	89.40	178.60	6,618.9	-1,051.6	-104.5	1,051.7	0.93	0.79	0.48
7,397.0	89.40	178.40	6,619.5	-1,114.5	-102.8	1,114.7	0.32	0.00	-0.32
7,459.0	89.70	178.90	6,620.0	-1,176.5	-101.4	1,176.7	0.94	0.48	0.81
7,521.0	89.90	178.80	6,620.2	-1,238.5	-100.1	1,238.6	0.36	0.32	-0.16
7,584.0	90.30	178.20	6,620.1	-1,301.5	-98.5	1,301.6	1.14	0.63	-0.95
7,645.0	90.90	178.50	6,619.5	-1,362.5	-96.7	1,362.6	1.10	0.98	0.49
7,708.0	90.60	179.40	6,618.7	-1,425.4	-95.6	1,425.6	1.51	-0.48	1.43
7,771.0	90.00	179.00	6,618.3	-1,488.4	-94.7	1,488.6	1.14	-0.95	-0.63
7,834.0	89.00	179.20	6,618.9	-1,551.4	-93.7	1,551.5	1.62	-1.59	0.32
7,898.0	88.80	179.60	6,620.1	-1,615.4	-93.0	1,615.5	0.70	-0.31	0.63
7,961.0	89.10	179.60	6,621.3	-1,678.4	-92.6	1,678.5	0.48	0.48	0.00
8,025.0	89.00	180.00	6,622.3	-1,742.4	-92.4	1,742.5	0.64	-0.16	0.63
8,088.0	89.00	180.60	6,623.4	-1,805.4	-92.7	1,805.5	0.95	0.00	0.95
8,152.0	89.60	181.10	6,624.2	-1,869.4	-93.7	1,869.5	1.22	0.94	0.78
8,216.0	90.30	181.10	6,624.3	-1,933.3	-94.9	1,933.5	1.09	1.09	0.00
8,279.0	90.50	181.10	6,623.8	-1,996.3	-96.1	1,996.5	0.32	0.32	0.00
8,343.0	90.90	181.70	6,623.0	-2,060.3	-97.7	2,060.4	1.13	0.63	0.94
8,406.0	91.10	181.70	6,621.9	-2,123.3	-99.5	2,123.4	0.32	0.32	0.00

DDC
Survey Report



Company:	COG Operating, LLC	Local Co-ordinate Reference:	Well Honey Graham 29 #6H
Project:	Eddy County, NM	TVD Reference:	WELL @ 3013.0usft (Patriot #3)
Site:	Sec 29, T26S, R28E	MD Reference:	WELL @ 3013.0usft (Patriot #3)
Well:	Honey Graham 29 #6H	North Reference:	Grid
Wellbore:	Sidetrack #1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack #1	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
8,470.0	91.30	181.30	6,620.6	-2,187.2	-101.2	2,187.4	0.70	0.31	-0.63	
8,533.0	91.40	181.10	6,619.1	-2,250.2	-102.5	2,250.3	0.35	0.16	-0.32	
8,565.0	91.70	180.90	6,618.2	-2,282.2	-103.1	2,282.3	1.13	0.94	-0.63	
8,597.0	91.30	179.90	6,617.4	-2,314.2	-103.3	2,314.3	3.36	-1.25	-3.13	
8,629.0	90.30	179.50	6,617.0	-2,346.2	-103.1	2,346.3	3.37	-3.13	-1.25	
8,660.0	89.10	179.40	6,617.1	-2,377.2	-102.8	2,377.3	3.88	-3.87	-0.32	
8,692.0	89.10	179.00	6,617.6	-2,409.2	-102.4	2,409.3	1.25	0.00	-1.25	
8,756.0	89.60	179.60	6,618.4	-2,473.1	-101.6	2,473.3	1.22	0.78	0.94	
8,819.0	89.80	179.20	6,618.7	-2,536.1	-100.9	2,536.3	0.71	0.32	-0.63	
8,883.0	89.90	180.00	6,618.9	-2,600.1	-100.5	2,600.3	1.26	0.16	1.25	
8,946.0	89.60	179.80	6,619.1	-2,663.1	-100.4	2,663.3	0.57	-0.48	-0.32	
9,010.0	90.80	180.40	6,618.9	-2,727.1	-100.5	2,727.3	2.10	1.88	0.94	
9,042.0	91.20	180.10	6,618.3	-2,759.1	-100.6	2,759.3	1.56	1.25	-0.94	
9,074.0	91.70	180.80	6,617.5	-2,791.1	-100.9	2,791.3	2.69	1.56	2.19	
9,105.0	90.90	181.10	6,616.8	-2,822.1	-101.4	2,822.2	2.76	-2.58	0.97	
9,137.0	89.80	180.80	6,616.6	-2,854.1	-101.9	2,854.2	3.56	-3.44	-0.94	
9,169.0	89.50	180.70	6,616.8	-2,886.1	-102.4	2,886.2	0.99	-0.94	-0.31	
9,201.0	89.30	180.90	6,617.2	-2,918.1	-102.8	2,918.2	0.88	-0.63	0.63	
9,264.0	89.20	180.70	6,618.0	-2,981.1	-103.7	2,981.2	0.35	-0.16	-0.32	
9,328.0	88.50	180.80	6,619.3	-3,045.1	-104.5	3,045.2	1.10	-1.09	0.16	
9,354.0	88.40	180.10	6,620.0	-3,071.1	-104.7	3,071.2	2.72	-0.38	-2.69	
9,385.0	89.60	180.60	6,620.5	-3,102.1	-104.9	3,102.2	4.19	3.87	1.61	
9,449.0	89.20	180.00	6,621.2	-3,166.0	-105.3	3,166.2	1.13	-0.63	-0.94	
9,481.0	89.00	179.50	6,621.7	-3,198.0	-105.1	3,198.2	1.68	-0.63	-1.56	
9,512.0	89.10	179.20	6,622.2	-3,229.0	-104.8	3,229.2	1.02	0.32	-0.97	
9,576.0	89.80	177.90	6,622.8	-3,293.0	-103.1	3,293.2	2.31	1.09	-2.03	
9,640.0	90.30	176.40	6,622.8	-3,356.9	-100.0	3,357.1	2.47	0.78	-2.34	
9,671.0	90.80	177.30	6,622.5	-3,387.9	-98.3	3,388.0	3.32	1.61	2.90	
9,702.0	90.40	176.90	6,622.1	-3,418.8	-96.7	3,419.0	1.82	-1.29	-1.29	
9,734.0	89.20	176.60	6,622.3	-3,450.8	-94.9	3,450.9	3.87	-3.75	-0.94	
9,766.0	89.00	176.00	6,622.8	-3,482.7	-92.8	3,482.8	1.98	-0.63	-1.88	
9,798.0	88.80	177.80	6,623.4	-3,514.7	-91.1	3,514.8	5.66	-0.63	5.63	
9,829.0	89.40	179.10	6,623.9	-3,545.6	-90.2	3,545.8	4.62	1.94	4.19	
9,893.0	88.60	178.60	6,625.0	-3,609.6	-89.0	3,609.7	1.47	-1.25	-0.78	
9,926.0	88.60	178.30	6,625.8	-3,642.6	-88.1	3,642.7	0.91	0.00	-0.91	
9,956.0	89.60	179.70	6,626.3	-3,672.6	-87.5	3,672.7	5.73	3.33	4.67	
9,988.0	90.30	180.80	6,626.3	-3,704.6	-87.7	3,704.7	4.07	2.19	3.44	
10,020.0	90.60	181.40	6,626.0	-3,736.6	-88.3	3,736.7	2.10	0.94	1.88	
10,052.0	90.20	180.80	6,625.8	-3,768.6	-88.9	3,768.7	2.25	-1.25	-1.88	
10,115.0	89.70	180.80	6,625.9	-3,831.6	-89.8	3,831.7	0.79	-0.79	0.00	
10,147.0	89.60	180.90	6,626.1	-3,863.6	-90.3	3,863.7	0.44	-0.31	0.31	
10,178.0	90.60	180.10	6,626.0	-3,894.6	-90.5	3,894.7	4.13	3.23	-2.58	
10,210.0	90.90	179.50	6,625.6	-3,926.6	-90.4	3,926.7	2.10	0.94	-1.88	

DDC
Survey Report



Company:	COG Operating, LLC	Local Co-ordinate Reference:	Well Honey Graham 29 #6H
Project:	Eddy County, NM	TVD Reference:	WELL @ 3013.0usft (Patriot #3)
Site:	Sec 29, T26S, R28E	MD Reference:	WELL @ 3013 0usft (Patriot #3)
Well:	Honey Graham 29 #6H	North Reference:	Grid
Wellbore:	Sidetrack #1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack #1	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,242.0	90.60	179.60	6,625.2	-3,958.6	-90.2	3,958.7	0.99	-0.94	0.31	
10,305.0	89.70	179.00	6,625.0	-4,021.6	-89.4	4,021.7	1.72	-1.43	-0.95	
10,337.0	89.40	178.30	6,625.3	-4,053.5	-88.6	4,053.7	2.38	-0.94	-2.19	
10,400.0	90.60	179.40	6,625.3	-4,116.5	-87.4	4,116.6	2.58	1.90	1.75	
10,463.0	90.30	178.80	6,624.8	-4,179.5	-86.4	4,179.6	1.06	-0.48	-0.95	
10,527.0	89.70	179.10	6,624.8	-4,243.5	-85.2	4,243.6	1.05	-0.94	0.47	
10,590.0	90.60	179.20	6,624.6	-4,306.5	-84.3	4,306.6	1.44	1.43	0.16	
10,654.0	90.30	179.10	6,624.1	-4,370.5	-83.3	4,370.6	0.49	-0.47	-0.16	
10,717.0	90.20	178.60	6,623.8	-4,433.5	-82.1	4,433.6	0.81	-0.16	-0.79	
10,781.0	90.00	178.30	6,623.7	-4,497.5	-80.3	4,497.6	0.56	-0.31	-0.47	
10,813.0	89.50	178.20	6,623.8	-4,529.4	-79.4	4,529.5	1.59	-1.56	-0.31	
10,876.0	90.10	179.50	6,624.1	-4,592.4	-78.1	4,592.5	2.27	0.95	2.06	
10,940.0	89.90	178.80	6,624.1	-4,656.4	-77.1	4,656.5	1.14	-0.31	-1.09	
11,003.0	90.20	179.30	6,624.0	-4,719.4	-76.1	4,719.5	0.93	0.48	0.79	
11,067.0	89.70	178.90	6,624.1	-4,783.4	-75.1	4,783.5	1.00	-0.78	-0.63	
11,130.0	88.90	178.60	6,624.8	-4,846.4	-73.7	4,846.5	1.36	-1.27	-0.48	
11,194.0	89.70	178.90	6,625.6	-4,910.4	-72.3	4,910.5	1.33	1.25	0.47	
11,257.0	90.60	179.30	6,625.5	-4,973.3	-71.3	4,973.4	1.56	1.43	0.63	
11,321.0	90.70	179.10	6,624.7	-5,037.3	-70.4	5,037.4	0.35	0.16	-0.31	
11,384.0	90.70	179.10	6,624.0	-5,100.3	-69.5	5,100.4	0.00	0.00	0.00	
11,448.0	90.90	178.90	6,623.1	-5,164.3	-68.3	5,164.4	0.44	0.31	-0.31	
11,512.0	90.60	179.50	6,622.2	-5,228.3	-67.4	5,228.4	1.05	-0.47	0.94	
11,575.0	90.20	179.80	6,621.8	-5,291.3	-67.1	5,291.4	0.79	-0.63	0.48	
11,639.0	90.20	179.70	6,621.6	-5,355.3	-66.8	5,355.4	0.16	0.00	-0.16	
11,702.0	90.20	180.00	6,621.3	-5,418.3	-66.6	5,418.4	0.48	0.00	0.48	
11,766.0	89.40	179.40	6,621.6	-5,482.3	-66.3	5,482.4	1.56	-1.25	-0.94	
11,829.0	90.20	179.80	6,621.8	-5,545.3	-65.8	5,545.4	1.42	1.27	0.63	
11,893.0	89.80	179.30	6,621.8	-5,609.3	-65.3	5,609.4	1.00	-0.63	-0.78	
11,957.0	89.60	179.70	6,622.1	-5,673.3	-64.8	5,673.4	0.70	-0.31	0.63	
12,020.0	89.30	178.80	6,622.7	-5,736.3	-64.0	5,736.4	1.51	-0.48	-1.43	
12,084.0	90.20	177.50	6,623.0	-5,800.2	-61.9	5,800.3	2.47	1.41	-2.03	
12,147.0	90.10	177.50	6,622.8	-5,863.2	-59.1	5,863.3	0.16	-0.16	0.00	
12,211.0	89.30	176.50	6,623.2	-5,927.1	-55.8	5,927.2	2.00	-1.25	-1.56	
12,242.0	89.40	176.10	6,623.5	-5,958.0	-53.8	5,958.1	1.33	0.32	-1.29	
12,274.0	89.70	177.00	6,623.8	-5,990.0	-51.9	5,990.0	2.96	0.94	2.81	
12,306.0	90.20	178.40	6,623.8	-6,021.9	-50.6	6,022.0	4.65	1.56	4.38	
12,369.0	90.20	178.90	6,623.6	-6,084.9	-49.1	6,085.0	0.79	0.00	0.79	
12,433.0	90.20	178.20	6,623.4	-6,148.9	-47.5	6,149.0	1.09	0.00	-1.09	
12,497.0	89.70	178.20	6,623.4	-6,212.9	-45.5	6,212.9	0.78	-0.78	0.00	
12,560.0	89.00	177.80	6,624.1	-6,275.8	-43.3	6,275.9	1.28	-1.11	-0.63	
12,624.0	89.60	178.60	6,624.9	-6,339.8	-41.3	6,339.8	1.56	0.94	1.25	
12,687.0	88.80	178.00	6,625.8	-6,402.7	-39.4	6,402.8	1.59	-1.27	-0.95	
12,719.0	88.30	177.30	6,626.6	-6,434.7	-38.1	6,434.8	2.69	-1.56	-2.19	
12,750.0	88.90	176.90	6,627.4	-6,465.7	-36.5	6,465.7	2.33	1.94	-1.29	

DDC
Survey Report



Company:	COG Operating, LLC	Local Co-ordinate Reference:	Well Honey Graham 29 #6H
Project:	Eddy County, NM	TVD Reference:	WELL @ 3013.0usft (Patriot #3)
Site:	Sec 29, T26S, R28E	MD Reference:	WELL @ 3013.0usft (Patriot #3)
Well:	Honey Graham 29 #6H	North Reference:	Grid
Wellbore:	Sidetrack #1	Survey Calculation Method:	Minimum Curvature
Design:	Sidetrack #1	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,782.0	89.20	177.10	6,627.9	-6,497.6	-34.8	6,497.7	1.13	0.94	0.63
12,814.0	90.10	177.90	6,628.1	-6,529.6	-33.4	6,529.6	3.76	2.81	2.50
12,877.0	90.50	177.50	6,627.8	-6,592.5	-30.9	6,592.6	0.90	0.63	-0.63
12,941.0	90.40	178.50	6,627.3	-6,656.5	-28.7	6,656.5	1.57	-0.16	1.56
13,005.0	90.20	177.80	6,626.9	-6,720.5	-26.6	6,720.5	1.14	-0.31	-1.09
13,068.0	89.50	177.00	6,627.1	-6,783.4	-23.8	6,783.4	1.69	-1.11	-1.27
13,154.0	90.40	177.90	6,627.2	-6,869.3	-19.9	6,869.3	1.48	1.05	1.05
TD									
13,204.0	90.40	177.90	6,626.8	-6,919.3	-18.1	6,919.3	0.00	0.00	0.00

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,028.0	6,026.0	-91.9	-52.1	Tie into Gyro
13,204.0	6,626.8	-6,919.3	-18.1	TD

Checked By: _____	Approved By: _____	Date: _____
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Submit To Appropriate District Office Two Copies District I 1625 N French Dr , Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd , Aztec, NM 87410 District IV 1220 S St Francis Dr , Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 July 17, 2008											
1. WELL API NO. 30-015-38488																
2. Type of Lease ☐ STATE ☒ FEE ☐ FED/INDIAN																
3. State Oil & Gas Lease No.																
WELL COMPLETION OR RECOMPLETION REPORT AND LOG																
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17 13 K NMAC)				5. Lease Name or Unit Agreement Name Honey Graham State Com 6. Well Number 6H												
7. Type of Completion ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER																
8. Name of Operator COG Operating LLC				9. OGRID 229137												
10. Address of Operator 2208 W. Main Street Artesia, NM 88210				11. Pool name or Wildcat Hay Hollow; Bone Spring												
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the										
Surface:	C	29	26S	28E		330										
BH:	F	32	26S	28E		359										
13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released		16. Date Completed (Ready to Produce)		17. Elevations (DF and RKB, RT, GR, etc.)										
6/18/11	7/16/11	7/19/11		12/1/11		2996' GR										
18. Total Measured Depth of Well		19. Plug Back Measured Depth		20. Was Directional Survey Made?		21. Type Electric and Other Logs Run										
13204'		13156'		Yes		None										
22. Producing Interval(s), of this completion - Top, Bottom, Name 6795-13136' Bone Spring																
23. CASING RECORD (Report all strings set in well)																
CASING SIZE		WEIGHT LB /FT		DEPTH SET		HOLE SIZE										
13 3/8"		48#		316'		17 1/2"										
9 5/8"		36#		2265'		12 1/4"										
5 1/2"		17#		13196'		7 7/8"										
						2700 sx (TOC @ 2380' - TS)										
24. LINER RECORD																
SIZE	TOP	BOTTOM	SACKS CMT	SCREEN												
				2 7/8"												
25. TUBING RECORD																
SIZE	DEPTH SET		PACKER SET													
	5998'		5998'													
26. Perforation record (interval, size, and number) 6795-13136'				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>6795-13136'</td> <td>Acid w/59640 gal 7 1/2% acid, Frac w/5922792# sand & 4353023 gal fluid</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>			DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	6795-13136'	Acid w/59640 gal 7 1/2% acid, Frac w/5922792# sand & 4353023 gal fluid						
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED															
6795-13136'	Acid w/59640 gal 7 1/2% acid, Frac w/5922792# sand & 4353023 gal fluid															
28. PRODUCTION																
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)			Well Status (Producing or Shut-in)											
12/9/11		Flowing			Producing											
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl										
12/10/11	24	25/64"		240	0	1866										
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - (Corr)										
	1400#															
29. Disposition of Gas (Sold, used for fuel, vented, etc)				30. Test Witnessed By												
Sold				Adam Olguin												
31. List Attachments Deviation Report & Directional Surveys																
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit																
33. If an on-site burial was used at the well, report the exact location of the on-site burial																
Latitude		Longitude		NAD 1927 1983												
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief																
Signature:		Name: <u>Stormi Davis</u>		Title: <u>Regulatory Analyst</u>		Date: <u>12/12/11</u>										
E-mail Address: <u>sdavis@concho.com</u>																

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers	T. Devonian	T. Cliff House	T. Leadville
T. Queen	T. Silurian	T. Menefee	T. Madison
T. Grayburg	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres	T. Simpson	T. Mancos	T. McCracken
T. Glorieta	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T. Granite
T. Blinebry	T. Gr. Wash	T. Dakota	
T. Tubb	T. Delaware 2310'	T. Morrison	
T. Drinkard	T. Bone Spring 6067'	T. Todilto	
T. Abo	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco-Canyon	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 July 16, 2010
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-38488		² Pool Code 30215		³ Pool Name Hay Hollow; Bone Spring	
⁴ Property Code 38476		⁵ Property Name Honey Graham State Com			⁶ Well Number 6H
⁷ OGRID No. 229137		⁸ Operator Name COG Operating LLC			⁹ Elevation 2996' GR

¹⁰ Surface Location

UL or lot no. C	Section 29	Township 26S	Range 28E	Lot Idn	Feet from the 330	North/South line North	Feet from the 2310	East/West line West	County Eddy
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. F	Section 32	Township 26S	Range 28E	Lot Idn	Feet from the 359	North/South line South	Feet from the 2292	East/West line West	County Eddy
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¹² Dedicated Acres 223.76	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.

¹⁶					¹⁷ OPERATOR CERTIFICATION 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 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature Date Stormi Davis Regulatory Analyst Printed Name sdavis@concho.com E-mail Address	
¹⁸ 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.					Date of Survey Signature and Seal of Professional Surveyor REFER TO ORIGINAL PLAT Certificate Number	

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd , Aztec, NM 87410
District IV
1220 S St. Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised October 15, 2009

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address COG Operating LLC 2208 W. Main Street Artesia, NM 88210		² OGRID Number 229137
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 – 015-38488	⁵ Pool Name Hay Hollow; Bone Spring	⁶ Pool Code 30215
⁷ Property Code 38476	⁸ Property Name Honey Graham State Com	⁹ Well Number 6H

II. ¹⁰ Surface Location

Ul or lot no. C	Section 29	Township 26S	Range 28E	Lot Idn	Feet from the 330	North/South Line North	Feet from the 2310	East/West line West	County Eddy
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¹¹ Bottom Hole Location

Ul or lot no. F	Section 32	Township 26S	Range 28E	Lot Idn	Feet from the 359	North/South Line South	Feet from the 2292	East/West line West	County Eddy
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date 12/9/11	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
278421	Holly Refining & Marketing Company, LLC P.O. Box 159 Artesia, NM 88211-0159	O
241472	Southern Union Gas Services, Ltd 301 Commerce Street – Ste 700 Fort Worth, TX 76102	G

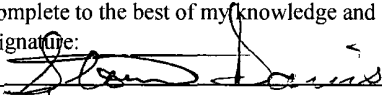
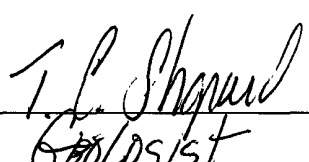
RECEIVED
DEC 15 2011
NMOCD ARTESIA

Accepted for record
12/19/2011
NMOCD

IV. Well Completion Data

²¹ Spud Date 6/18/11	²² Ready Date 12/1/11	²³ TD 13204'	²⁴ PBDT 13156'	²⁵ Perforations 6795-13136'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	316'	350 sx		
12 1/4"	9 5/8"	2265'	800 sx		
7 7/8"	5 1/2"	13196'	2700 sx (TOC @ 2380' – TS)		
	2 7/8"	5998'			

V. Well Test Data

³¹ Date New Oil 12/9/11	³² Gas Delivery Date 12/9/11	³³ Test Date 12/10/11	³⁴ Test Length 24 Hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 1400#
³⁷ Choke Size 25/64"	³⁸ Oil 240	³⁹ Water 1866	⁴⁰ Gas 0		⁴¹ Test Method Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: Stormi Davis			Approved by: 		
Title: Regulatory Analyst			Title: Geologist		
E-mail Address: sdavis@concho.com			Approval Date: 12/19/2011		
Date: 12/12/11		Phone: 575-748-6946			

dm