

Submit 3 Copies 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

Form C-103
May 27, 2004

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

WELL API NO. 30-015-31491
Indicate Type of Lease STATE ☒ FEE ☐
State Oil & Gas Lease No.

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.)		7. Lease Name or Unit Agreement Name Houma State
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	RECEIVED SEP 13 2010 NMOCD ARTESIA	8. Well Number 1
2. Name of Operator COG Operating LLC		9. OGRID Number 229137
3. Address of Operator 550 W. Texas Ave., Suite 1300 Midland, TX 79701		10. Pool name or Wildcat 96718 Loco Hills; Glorieta
Well Location Unit Letter <u>F</u> : <u>2310</u> feet from the <u>North</u> line and <u>2310</u> feet from the <u>West</u> line Section <u>16</u> Township <u>17S</u> Range <u>30E</u> NMPM County <u>Eddy</u>		
11. Elevation (Show whether DR, RKB, RT, GR, etc) 3686' GR		
Pit or Below-grade Tank Application ☐ or Closure ☐		
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____		
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____		

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 ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

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

OTHER: Deepen ☒

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

6/22/10 TIH w/ retainer & set @ 4250'. Squeezed off Perfs w/ 300sx C., 300sx C. Reverse out 119sx to pit. Test csg to 1000#, good.
6/27/10-6/29/10 Drill cmt & new open hole, TD 6/29/10 @ 5885'.
7/01/10 Run 137jts 4", L80 11.6# @ 5880'. DV tool @ 4729'. Cmt stage w/ 130sx C, circ 84sx.
7/05/10 Drill out DV tool.
7/16/10 Perf Lower Blinebry 5510 - 5710, 1 SPF, 26 holes.
7/20/10 Acidize w/ 3,500 gals 15% HCL acid. Frac w/ 113,179 gals gel, 146,544# 16/30 White Sand, 31,781# 16/30 Super LC. CBP @ 5430'. Perf Middle Blinebry 5200 - 5400, 1 SPF, 24 holes Acidize w/ 3,500 gals 15% HCL acid. Frac w/ 114,259 gals gel, 144,789# 16/30 White sand, 32,756# 16/30 Super LC. CBP @ 5130'. Perf Upper Blinebry 4900 - 5100, 1 SPF, 24 holes. Acidize w/ 2,500 gals 15% HCL acid Frac w/ 63,055 gals gel, 43,905# 16/30 White sand.
7/28/10 RIH w/ Arrowset pkr. Set pkr @ 4204. Frac perfs 4370-4650 w/ 189,126 gals gel, 257,373# 16/30 Ottawa Sand, 34,872# Super LC.
8/25/10 Drill out CBP's. PBTD @ 5804'.
8/30/10 Ran 146 jts of 2-7/8" J55, 6 5# tbg, SN @ 4442'. RIH w/ 2-1/2 x 2 x 20' pump. Turn to production.

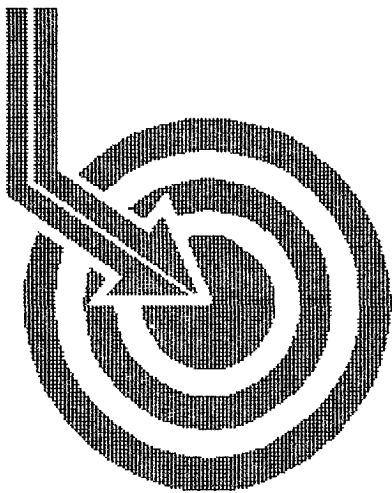
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE C Jackson TITLE Agent for COG DATE 9/8/10

Type or print name Chasity Jackson E-mail address: cjackson@conchoresources.com Telephone No. 432-686-3087

For State Use Only

APPROVED BY David Gray TITLE Compliance Officer-A DATE 9-14-10
Conditions of Approval (if any):



Scientific Drilling

COG RESOURCES

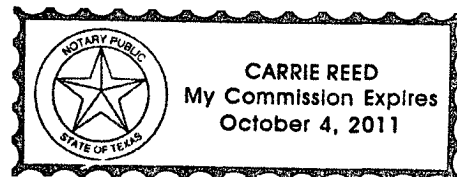
Field: Loco Hills
Site: Eddy County, NM
Well: Houma State #1
Wellpath: VH - Job #32K0710503
Survey: 07/06/10

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

Fluorhart
Company Representative

Notarized this date 4th of August, 2010.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International, Inc.

Survey Report

Company: COG RESOURCES
Field: Loco Hills
Site: Eddy County, NM
Well: Houma State #1
Wellpath: VH - Job #32K0710503

Date: 7/12/2010 Time: 15:25:44 Page: 1
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,290.24Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 07/06/10
KSRG 0'-5793'

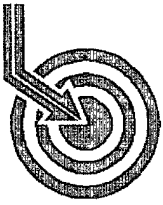
Start Date: 7/6/2010

Company: Scientific Drilling Internatio
Tool: Keeper, Keeper Gyro

Engineer: Madrid w/Halliburton
Tied-to: From Surface

Survey

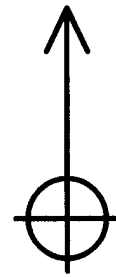
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.43	27.28	100.0	0.0	0.3	0.2	0.43	0.4	27.28
200.0	0.31	70.61	200.0	-0.3	0.8	0.6	0.30	1.0	38.37
300.0	0.20	15.31	300.0	-0.5	1.0	0.9	0.26	1.4	41.58
400.0	0.26	30.82	400.0	-0.5	1.4	1.1	0.09	1.7	37.64
500.0	0.20	30.08	500.0	-0.6	1.7	1.3	0.06	2.1	36.30
600.0	0.39	54.36	600.0	-0.8	2.1	1.6	0.22	2.6	38.18
700.0	0.64	68.18	700.0	-1.4	2.5	2.4	0.28	3.5	44.37
800.0	0.59	70.79	800.0	-2.2	2.9	3.4	0.06	4.5	50.22
900.0	1.23	55.84	900.0	-3.3	3.6	4.8	0.68	6.0	52.94
1000.0	1.78	59.61	999.9	-4.9	5.0	7.0	0.56	8.6	54.50
1100.0	1.79	55.48	1099.9	-6.7	6.7	9.7	0.13	11.7	55.30
1200.0	1.72	56.76	1199.8	-8.5	8.4	12.2	0.08	14.8	55.47
1300.0	1.11	44.02	1299.8	-9.8	9.9	14.1	0.68	17.3	54.94
1400.0	0.67	19.81	1399.8	-10.2	11.2	15.0	0.57	18.7	53.35
1500.0	0.40	1.67	1499.8	-10.1	12.1	15.2	0.32	19.4	51.59
1600.0	0.30	341.61	1599.8	-9.8	12.7	15.1	0.16	19.7	50.10
1700.0	0.40	285.17	1699.8	-9.3	13.0	14.7	0.34	19.6	48.55
1800.0	0.49	297.56	1799.8	-8.5	13.3	14.0	0.13	19.3	46.50
1900.0	0.55	284.27	1899.8	-7.6	13.6	13.2	0.13	18.9	44.05
2000.0	0.70	277.25	1999.8	-6.6	13.8	12.1	0.17	18.3	41.22
2100.0	0.82	277.78	2099.8	-5.3	14.0	10.8	0.12	17.6	37.63
2200.0	0.93	271.63	2199.8	-3.8	14.1	9.3	0.14	16.9	33.28
2300.0	0.98	261.32	2299.7	-2.3	14.0	7.6	0.18	15.9	28.50
2400.0	0.99	256.70	2399.7	-0.8	13.7	5.9	0.08	14.9	23.39
2500.0	1.10	254.04	2499.7	0.7	13.2	4.1	0.12	13.8	17.44
2600.0	1.14	256.36	2599.7	2.3	12.7	2.3	0.06	12.9	10.07
2700.0	1.13	258.54	2699.7	3.9	12.3	0.3	0.04	12.3	1.50
2800.0	1.17	256.38	2799.7	5.6	11.8	-1.6	0.06	11.9	352.12
2900.0	1.31	255.63	2899.6	7.4	11.3	-3.7	0.14	11.9	341.71
3000.0	1.18	257.81	2999.6	9.2	10.8	-5.9	0.14	12.3	331.57
3100.0	1.12	262.39	3099.6	11.0	10.5	-7.8	0.11	13.1	323.19
3200.0	1.14	263.19	3199.6	12.7	10.2	-9.8	0.03	14.1	316.23
3300.0	1.25	262.72	3299.5	14.6	10.0	-11.9	0.11	15.5	310.03
3400.0	0.90	256.71	3399.5	16.2	9.6	-13.7	0.37	16.7	305.12
3500.0	0.94	257.36	3499.5	17.5	9.3	-15.3	0.04	17.9	301.29
3600.0	0.96	259.64	3599.5	18.9	8.9	-16.9	0.04	19.1	297.91
3700.0	0.91	269.81	3699.5	20.4	8.8	-18.5	0.17	20.5	295.41
3800.0	0.82	268.61	3799.5	21.8	8.8	-20.0	0.09	21.9	293.67
3900.0	0.73	274.59	3899.5	23.1	8.8	-21.4	0.12	23.1	292.40
4000.0	0.70	277.00	3999.5	24.3	8.9	-22.6	0.04	24.3	291.56
4100.0	0.66	274.57	4099.5	25.4	9.1	-23.8	0.05	25.5	290.83
4200.0	0.64	269.11	4199.4	26.5	9.1	-24.9	0.07	26.5	290.04
4300.0	0.60	280.28	4299.4	27.6	9.2	-26.0	0.13	27.6	289.44
4400.0	0.68	295.12	4399.4	28.7	9.5	-27.0	0.18	28.7	289.39
4500.0	1.05	276.96	4499.4	30.2	9.9	-28.5	0.46	30.2	289.13
4600.0	1.25	266.36	4599.4	32.0	9.9	-30.5	0.29	32.1	288.03
4700.0	1.30	262.12	4699.4	34.0	9.7	-32.7	0.11	34.1	286.52
4800.0	1.22	262.86	4799.4	36.0	9.4	-34.9	0.08	36.1	285.10



Scientific
Drilling

Field: Loco Hills
Site: Eddy County, NM
Well: Houma State #1
Survey: 07/06/10

G/T/M



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°
Magnetic Field
Dip Angle: 0.00°
Date 7/12/2010
Model: igrf2000

