

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

RECEIVED

DEC 16 2008

HOBBSOCD

State of New Mexico
Energy, Minerals and Natural Resources

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



Form C-103
May 27, 2004

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. 30-015-32302
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator COG Operating LLC		State Oil & Gas Lease No. E-4201
3. Address of Operator 550 W. Texas Ave., Suite 1300 Midland, TX 79701		7. Lease Name or Unit Agreement Name Continental A State
DEC 18 2008		8. Well Number 9
OCD-ARTESIA		9. OGRID Number 229137
Well Location Unit Letter E : 2310 feet from the North line and 580 feet from the West line Section 30 Township 17S Range 29E NMPM County Eddy		10. Pool name or Wildcat Empire; Glorieta-Yeso 96210
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3664 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 Well in Yeso Formation ☒

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.

08-28-08 MIRU
09-02-08 Set retainer @ 3815'. Sting into ret & cmt w/200 sx lead & 200 sx tail. Disp & hold sqz w/ 500 psi - OK.
09-04-08 Drilled cmt f/3936' - 4222'. Test w/200 psi for 30 min - OK. Drld cmt f/4222'-4364'.
09-18-08 Depth: 4366'
09-30-08 Depth: 5490'
10-02-08 RIH w/4" 11.3# UTFJ csg. Ran 113 jts.
10-03-08 RIH w/4" 11.3# UTFJ csg. Pump 100 sx "C" cmt. Bump plug @ 4:30. Open DV tool Circ 42 sx.
10-06-08 Tag cmt 200' high. Drld thru cmt (5') and push to btm.
10-07-08 Top of cmt @ 4090'. DV tool @ 4238', according to log.
10-15-08 Perforate 1st stage Perf 5100' - 5300' 48 holes select.
10-16-08 PBTD - 5393' - Perfs 5000' - 5200' 48 Holes. Acidize w/ 2500 gal 15% acid. Frac w/125,886 gal lightning D 2000 Carrying 143,062# 16/30 ottawa +31,585 # 16/30 siberprop. Flush w/1000 gal 15% hcl + 1445 gal linear gel CBP- 5030' Perfs 4800' - 5000' 32 holes. Acidize w/2500 gal 15% 34 biosealers. Frac w/124993 gal lightning D 2000 carrying 142,911# 16/30 ottawa + 30,249 # Siberprop. Flush w/1000 gal 15% + 1344 gal Linear gel. CBP- 4740' Perfs 4500' - 4700' 32 holes. Acidize w/2500 gal 15% acid. Frac w/123727 gal lightning D2000 carrying 144259#16/30 Ottawa + 24916# siberprop Flush w/2155 gal linear gel Isdp.
10-20-08 Circ down to 1st CBP @ 4740'. Drill thru plug. Circ down to 5030' 2nd CBP. Drill thru plug.
10-22-08 TIH w/ 127 jts 2-7/8" tbg, SN @ 3992',
10-23-08 RIH w/ rods & 2-1/2" x 1-1/2" x 16' 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 Kanicia Carrillo TITLE Regulatory Analyst DATE 12/11/2008

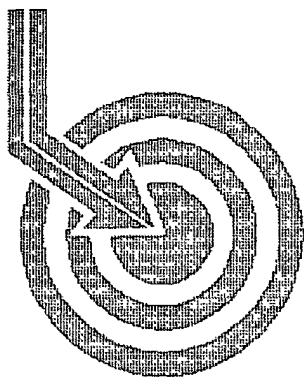
Type or print name Kanicia Carrillo E-mail address: kcarrillo@conchoresources.com Telephone No. 432-685-4332

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

Accepted for record - NMOCD



Scientific Drilling

COG RESOURCES

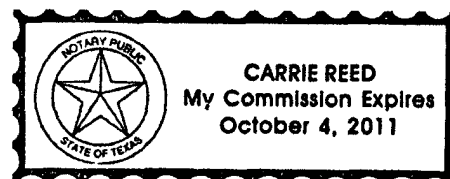
Field: Empire Yeso
Site: Eddy County, NM
Well: Continental A State #9
Wellpath: VH - Job #32K1008788
Survey: 10/07/08

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

.....Richard.....Company Representative

Notorized this date 3rd of October, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: COG RESOURCES	Date: 10/29/2008	Time: 16:37:53	Page: 1
Field: Empire Yeso	Co-ordinate(NE) Reference:	Site: Eddy County, NM, True North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE: 0.0	
Well: Continental A State #9	Section (VS) Reference:	Well: (0.00N,0.00E,308.29Azi)	
Wellpath: VH- Job #32K1008788	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 10/07/08	Start Date: 10/07/2008
KSRG 0'-5381'	
Company: Scientific Drilling Internatio	Engineer: Melendez w/Halliburton
Tool: MWD;MWD	Tied-to: From Surface

Survey

MD ft	Incl deg	Azlm deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.45	90.55	100.00	-0.31	0.00	0.39	0.45	0.39	90.55
200.00	0.44	103.16	200.00	-0.97	-0.09	1.16	0.10	1.16	94.68
300.00	0.09	269.86	300.00	-1.25	-0.18	1.45	0.53	1.47	97.15
400.00	0.52	279.08	399.99	-0.80	-0.11	0.93	0.43	0.93	96.83
500.00	0.55	317.26	499.99	0.07	0.31	0.15	0.35	0.35	26.22
600.00	0.54	322.32	599.98	1.00	1.04	-0.46	0.05	1.14	336.12
700.00	0.59	324.73	699.98	1.96	1.83	-1.04	0.06	2.11	330.30
800.00	0.68	320.42	799.97	3.03	2.71	-1.72	0.10	3.21	327.59
900.00	0.84	313.37	899.97	4.34	3.67	-2.63	0.19	4.52	324.36
1000.00	1.09	309.91	999.95	6.02	4.78	-3.89	0.26	6.17	320.86
1100.00	1.15	313.72	1099.93	7.97	6.09	-5.35	0.10	8.10	318.70
1200.00	1.19	313.19	1199.91	10.00	7.49	-6.83	0.04	10.14	317.64
1300.00	1.27	318.36	1299.89	12.13	9.03	-8.32	0.14	12.28	317.33
1400.00	1.24	318.08	1399.86	14.29	10.66	-9.78	0.03	14.47	317.47
1500.00	1.24	319.89	1499.84	16.41	12.30	-11.20	0.04	16.64	317.66
1600.00	1.43	323.89	1599.81	18.67	14.13	-12.64	0.21	18.96	318.20
1700.00	1.34	319.47	1699.78	21.02	16.03	-14.13	0.14	21.37	318.60
1800.00	1.34	317.56	1799.76	23.32	17.78	-15.68	0.04	23.71	318.59
1900.00	1.37	318.50	1899.73	25.66	19.54	-17.26	0.04	26.07	318.54
2000.00	1.44	312.80	1999.70	28.08	21.29	-18.98	0.16	28.52	318.29
2100.00	1.53	314.43	2099.67	30.66	23.08	-20.85	0.10	31.10	317.90
2200.00	1.46	310.72	2199.63	33.26	24.84	-22.77	0.12	33.70	317.49
2300.00	1.45	313.65	2299.60	35.80	26.55	-24.65	0.08	36.23	317.12
2400.00	1.31	304.48	2399.57	38.20	28.07	-26.51	0.26	38.61	316.64
2500.00	1.26	304.71	2499.54	40.44	29.34	-28.35	0.05	40.80	315.98
2600.00	1.29	301.62	2599.52	42.65	30.56	-30.22	0.08	42.97	315.32
2700.00	1.44	303.97	2699.49	45.02	31.85	-32.22	0.16	45.30	314.67
2800.00	1.39	300.34	2799.46	47.48	33.16	-34.31	0.10	47.71	314.03
2900.00	1.38	298.74	2899.43	49.86	34.35	-36.41	0.04	50.06	313.34
3000.00	1.52	293.70	2999.40	52.34	35.47	-38.68	0.19	52.48	312.52
3100.00	1.24	294.04	3099.37	54.67	36.44	-40.88	0.28	54.77	311.71
3200.00	1.08	301.36	3199.35	56.65	37.37	-42.67	0.22	56.73	311.21
3300.00	0.97	303.88	3299.33	58.43	38.33	-44.18	0.12	58.49	310.95
3400.00	0.86	299.26	3399.32	60.02	39.17	-45.54	0.13	60.07	310.70
3500.00	0.76	303.11	3499.31	61.42	39.90	-46.75	0.11	61.46	310.48
3600.00	0.50	315.51	3599.31	62.51	40.58	-47.61	0.29	62.56	310.44
3700.00	0.50	311.35	3699.30	63.38	41.18	-48.24	0.04	63.43	310.48
3800.00	0.76	330.05	3799.30	64.43	42.04	-48.90	0.33	64.49	310.68
3900.00	0.78	338.52	3899.29	65.64	43.25	-49.48	0.12	65.72	311.15
4000.00	0.51	323.90	3999.28	66.65	44.24	-49.99	0.31	66.76	311.50
4100.00	0.29	311.50	4099.28	67.33	44.77	-50.45	0.24	67.45	311.59
4200.00	0.42	246.68	4199.28	67.76	44.79	-50.97	0.40	67.85	311.31
4300.00	0.35	231.81	4299.27	68.01	44.45	-51.55	0.12	68.07	310.77
4400.00	0.34	221.48	4399.27	68.09	44.04	-51.99	0.06	68.14	310.27
4500.00	0.71	246.71	4499.27	68.41	43.58	-52.75	0.43	68.42	309.56
4600.00	1.00	243.85	4599.26	69.08	42.95	-54.10	0.29	69.08	308.44
4700.00	1.29	249.12	4699.24	70.03	42.16	-55.94	0.31	70.05	307.01
4800.00	1.34	255.22	4799.21	71.31	41.46	-58.12	0.15	71.39	305.50



Scientific Drilling International Survey Report

Company: COG RESOURCES Date: 10/29/2008 Time: 16:37:53 Page: 2
Field: Empire Yeso Co-ordinate(NE) Reference: Site: Eddy County, NM, True North
Site: Eddy County, NM Vertical (TVD) Reference: SITE 0.0
Well: Continental A State #9 Section (VS) Reference: Well (0.00N,0.00E,308.29Azi)
Wellpath: VH - Job #32K1008788 Survey Calculation Method: Minimum Curvature Db: Sybase

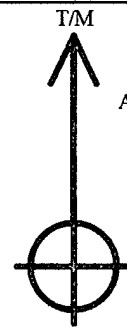
Survey

MD ft	Incl deg	Azlm deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	0.83	252.24	4899.19	72.42	40.94	-59.94	0.51	72.59	304.33
5000.00	0.56	243.04	4999.18	73.03	40.50	-61.07	0.29	73.28	303.55
5100.00	0.31	173.90	5099.18	73.04	40.01	-61.47	0.53	73.35	303.06
5200.00	1.06	13.79	5199.18	73.24	40.64	-61.22	1.36	73.48	303.57
5300.00	2.39	68.81	5299.14	72.56	42.29	-59.06	1.98	72.64	305.61
5381.00	2.90	56.42	5380.05	71.06	44.03	-55.78	0.94	71.06	308.29



Scientific
Drilling

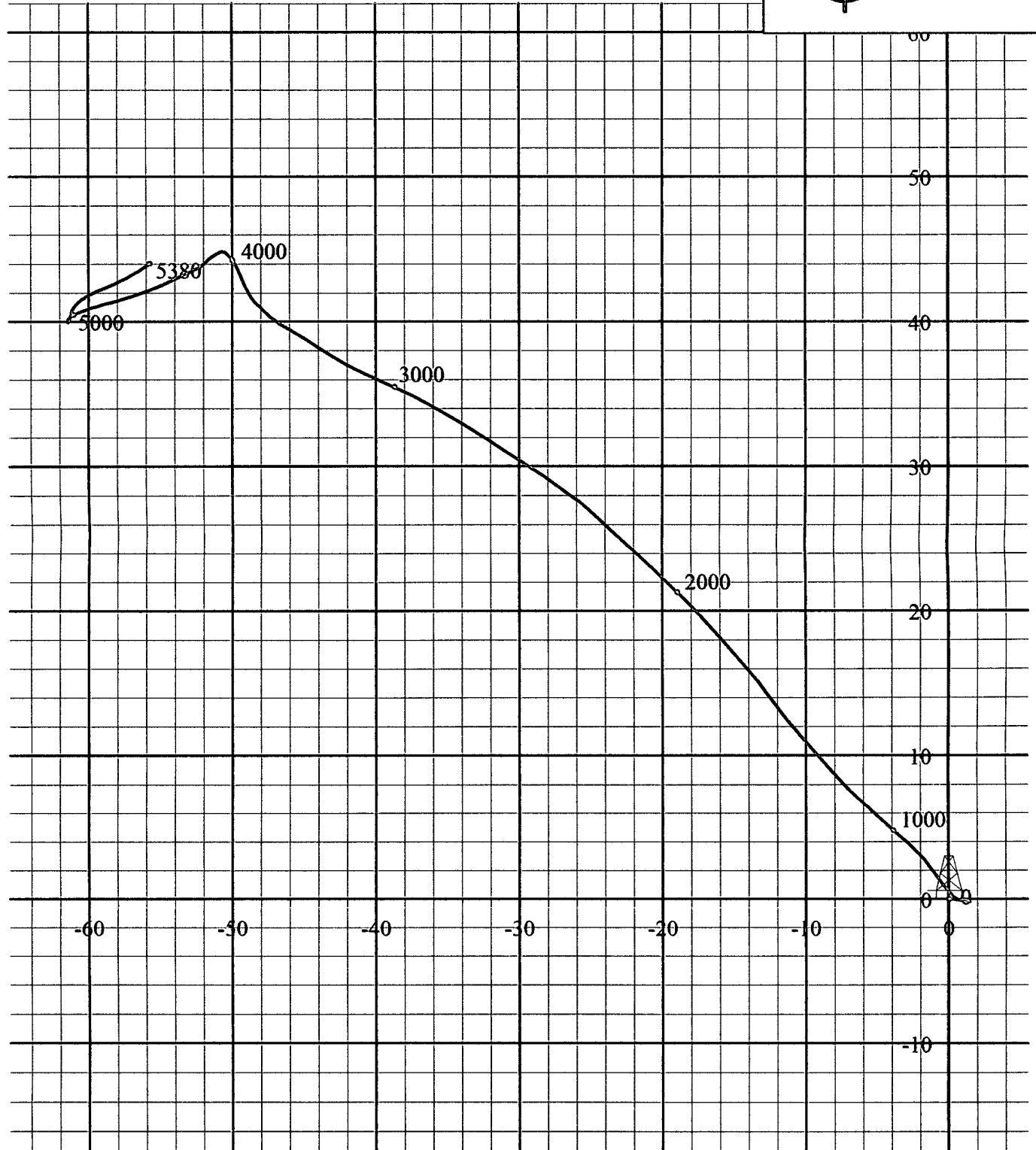
Field: Empire Yeso
Site: Eddy County, NM
Well: Continental A State #9
Wellpath: VH - Job #32K1008788
Survey: 10/07/08



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 10/29/2008
Model: igrf2000

South(-)/North(+) [10ft/in]



West(-)/East(+) [10ft/in]

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 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 Revised June 10, 2003 WELL API NO. 30-015-32302 5. Indicate Type of Lease STATE ☒ FEE ☐ State Oil & Gas Lease No.
WELL COMPLETION OR RECOMPLETION REPORT AND LOG		
1a Type of Well OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____ b Type of Completion NEW ☐ WORK ☐ DEEPEN ☒ PLUG ☐ DIFF WELL OVER BACK RESVR. ☐ OTHER		7 Lease Name or Unit Agreement Name CONTINENTAL A STATE
2 Name of Operator COG Operating LLC		8. Well No 9
3 Address of Operator 550 W. Texas Ave., Suite 1300 Midland, TX 79701		9 Pool name or Wildcat EMPIRE; GLORIETA YESO 96210
4 Well Location Unit Letter <u>E</u> <u>2310</u> Feet From The <u>North</u> Line and <u>580</u> Feet From The <u>West</u> Line Section <u>30</u> Township <u>17S</u> Range <u>29E</u> NMPM County <u>Eddy</u>		
10 Date Spudded 05/14/02	11 Date T D Reached 09/30/08	12 Date Compl (Ready to Prod) 10/23/08
13 Elevations (DF& RKB, RT, GR, etc) 3648 GR		14 Elev Casinghead
15 Total Depth 5490	16 Plug Back T D 5393	17 If Multiple Compl How Many Zones? 18 Intervals Drilled By Rotary Tools Cable Tools X
19 Producing Interval(s), of this completion - Top, Bottom, Name 5100 - 5300 Yeso		20 Was Directional Survey Made No
21 Type Electric and Other Logs Run CN / HNGS, Micro CFL / HNGS		22 Was Well Cored No
23. CASING RECORD (Report all strings set in well)		
CASING SIZE	WEIGHT LB / FT	DEPTH SET
13-3/8	48	329
8-5/8	24	798
5-1/2	17	4366
4	11 3	5490
24 LINER RECORD		25. TUBING RECORD
SIZE	TOP	BOTTOM
SACKS CEMENT	SCREEN	SIZE
		2-7/8
26 Perforation record (interval, size, and number)		27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC
3941 - 4210 - 2 SPF, 72 holes		DEPTH INTERVAL
4500 - 4700 - 2 SPF, 32 holes		AMOUNT AND KIND MATERIAL USED
4800 - 5000 - 2 SPF, 32 holes		4500-4700
5000 - 5200 - 2 SPF, 48 holes		Acidize w/2500 gal 15% acid
Closed - Existing		4500-4700
Open - New		Frac w/123,727 gal D2000 w/144,259# 16/30+
Open - New		24,916# Siberprop & 2,155 gal gel.
Open - New		SEE ATTACHMENT
28 PRODUCTION		
Date First Production 11/06/08		Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping using a 2-1/2" x 1-1/2" x 16' RHBC pump
Well Status (Prod or Shut-in) Producing		
Date of Test 11/14/08	Hours Tested 24	Choke Size
Prod'n For Test Period	Oil - Bbl 57	Gas - MCF 20
Water - Bbl 34	Gas - Oil Ratio 351	
Flow Tubing Press	Casing Pressure	Calculated 24-Hour Rate
Oil - Bbl	Gas - MCF	Water - Bbl
Oil Gravity - API - (Corr) 39.9		
29. Disposition of Gas (Sold, used for fuel, vented, etc) SOLD		Test Witnessed By Kent Greenway
30 List Attachments Logs, survey		
31 I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief		
Signature		Printed Name Kanicia Carrillo Title Regulatory Analyst Date 12/11/08
E-mail Address kcarrillo@conchoresources.com 432-685-4332		

Continental A State #9
API#: 30-015-32300
EDDY, NM

C-105 (#27) ADDITIONAL INFORMATION

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4800-5000	Acidize w/2500 gal 15% acid
4800-5000	Frac w/124,993 gal D2000 w/142,911# 16/30+
	30,249# Siberprop & 1,344 gal gel.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5000-5200	Acidize w/2500 gal 15% acid
5000-5200	Frac w/125,886 gal D2000 w/143,062# 16/30+
	31,585# Siberprop & 1,445 gal gel.

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 June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-32302		² Pool Code 96210	³ Pool Name Empire; Glorieta-Yeso
⁴ Property Code 302472	⁵ Property Name Continental A State		⁶ Well Number 9
⁷ OGRID No. 229137	⁸ Operator Name COG OPERATING LLC		⁹ Elevation 3648

¹⁰ Surface Location

UL or lot no. E	Section 30	Township 17S	Range 29E	Lot Idn	Feet from the 2310	North/South line North	Feet from the 580	East/West line West	County Eddy
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 40	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>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i> Signature Kanicia Carrillo Printed Name Regulatory Analyst Title and E-mail Address 06/27/08 Date			
	¹⁸ SURVEYOR CERTIFICATION <i>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</i> Referred Original Survey Date of Survey Signature and Seal of Professional Surveyor			
	Certificate Number			