

WELL LOGS

K Z

API number:	30-025-39163		
OGRID:		Operator:	COG OPERATING LLC
		Property:	MC FEDERAL # 36

surface	ULSTR:	M	21	T	17S	R	32E
			565	FSL	785	FWL	

BH Loc	ULSTR:	M	21	T	17S	R	32E
			378	FSL	996	FWL	

Ground Level:	4002	DF:	4013	KB:	4014	
Datum:	KB			TD:	13100	

Land: STATE

Completion Date: (1) ~~1/6/2004~~ 9

Date Logs Received: ~~1/15/2004~~

Date Logs Due in: (2)

Confidential:	YES		Date out:	4/15/2004
---------------	-----	--	-----------	----------------------

Confidential period: 90 Days for State & Fee, 1 Year for federal

Date Due In: (1) is equal to Completion Date (1) + 20 days

Logs	Depth interval		
CNL/CCL/GR	200	6951	Compensated Neutron Log

K Z

OCD TOPS

Rustler	763	Strawn		
Tansill		Atoka		
Yates	2088	Morrow		
7 rvs	2423			
	2808	Austin		
	2885	Chester		
Queen	3072	Miss Lime		
Penrose				
Grayburg	3453			
San Andres	3844			
Glorieta	5394			
Yeso	5453			
Blaine				
Tubb				
Drinkard				
Abo				
Wolfcamp				

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMLC029509A
2. Name of Operator COG OPERATING LLC ✓		6. If Indian, Allottee or Tribe Name
Contact: ROBYN ODOM E-Mail: rododom@conchoresources.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 550 W TEXAS AVE SUITE 1300 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-685-4385	8. Well Name and No. MC FEDERAL 36 ✓
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 21 T17S R32E SWSW Lot M 565FSL 785FWL ✓		9. API Well No. 30-025-39163-Q0-S1
		10. Field and Pool, or Exploratory MALJAMAR-YESO; West
		11. County or Parish, and State LEA COUNTY, NM ✓

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Workover Operatic
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

BHL: 330' FSL & 990' FWL

03/13/09 Perf @ 6640 - 6840 w/ 2 SPF, 48 holes.

03/16/09 Acidize w/60 bbls acid. Frac w/3,351 bbls gel, 180,662# 16/30 sand. Perf @ 6370 - 6570 w/2 SPF, 29 holes. Acidize w/60 bbls acid. Frac w/3,168 bbls gel, 182,033# 16/30 sand. Set CBP @ 6610.

03/17/09 Perf @ 6100 - 6300 w/ 2 SPF, 29 holes. Acidize w/90 bbls acid. Frac w/2,947 bbls gel, 162,327# 16/30 sand. Set CBP @ 6350.

03/19/09 Drill out plugs. Clean out to PBTD 6940.

03/20/09 RIH w/212 jts 2-7/8" J55 tbg, SN @ 6596. RIH w/ 2-1/2"x2"x20' RHBC pump. Hang on well.

RECEIVED
MAR 31 2009
HOBBSCD

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #68441 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Hobbs Committed to AFMSS for processing by CHERYLE RYAN on 03/26/2009 (09CMR0117SE)	
Name (Printed/Typed) ROBYN ODOM	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 03/26/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JAMES A AMOS Title SUPERVISOR EPS	Date 03/28/2009
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Hobbs

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

K2

Results of Directional Survey

API number:	30-025-39163		
OGRID:		Operator:	COG OPERATING LLC
		Property:	MC FEDERAL # 36

surface	ULSTR:	M	21	T	17S	R	32E
			565	FSL	785	FWL	

BH Loc	ULSTR:	M	21	T	17S	R	32E
			378	FSL	996	FWL	

	MD	N/S	E/W	VD
	5957	-185.65	206.97	5944.09
TOP PERFS/OH	6100	-185.99	207.62	6087.09
	6116	-186.03	207.69	6103.09
	6687	-188.12	209.18	6674.08
BOT PERFS/OH	6840	-187.93	209.97	6827.08
	6877	-187.88	210.16	6864.08

NEXT TO LAST	6877	-187.88	210.16	6864.08
LAST READING	6919	-187.72	210.29	6906.08
TD	7015	-187.35	210.59	7002.08

Surface Location	565	FS	785	FW
Projected BHL	378	FS	996	FW
Location of				
Top Perfs/OH	379	FS	993	FW
Bottom Perfs/OH	377	FS	995	FW

SUMMARY of Subsurface Locations

Surface Location	M-21-17S-32E	565	FS	785	FW	Vert. Depth
Top Perfs/OH	M-21-17S-32E	379	FS	993	FW	6087.09
Bottom Perfs/OH	M-21-17S-32E	377	FS	995	FW	6827.08
Projected TD	M-21-17S-32E	378	FS	996	FW	7002.08

OPERATOR _____ COG _____
WELL/LEASE _____ MC Fed 36 _____
COUNTY _____ Lea _____

SUR: M-21-17s-32e, 565/S & 785/W
BHL: M-21-17s-32e, 378/S & 996/W
API # 30-025-39163

STATE OF NEW MEXICO
DEVIATION REPORT

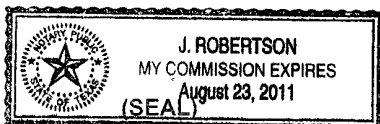
238	0.25
529	0.25
790	0.50
1091	0.75
1408	0.75
1725	1.75
1979	2.00
2243	1.42
2338	1.87
2433	2.96
2528	4.95
2909	5.20
3098	5.19
3288	6.13
3478	4.99
3668	7.22
3858	7.98
3985	4.80
4112	4.88
4270	4.56
4460	4.13
4651	5.91
5133	4.22
5288	4.23
5324	2.33
5419	0.27
5609	0.27
5767	0.55
5957	0.31
6116	0.34
6306	0.24
6497	0.32
6687	0.41
6877	0.32
6919	0.53

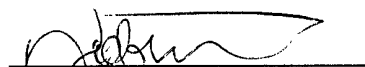
SIGNED BY:


STEVE MCCOY, VP-DRILLING

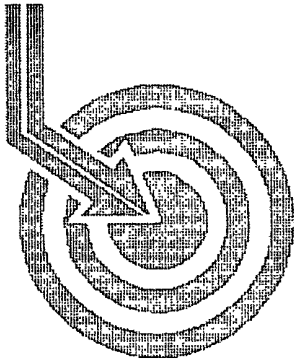
STATE OF TEXAS
COUNTY OF MIDLAND

ON THIS 6th DAY OF March, 2009, BEFORE ME, J ROBERTSON, A NOTARY
PUBLIC, PERSONALLY APPEARED DAVID SLEDGE, WHO ACKNOWLEDGED AND EXECUTED
THIS DOCUMENT. WITNESS MY HAND AND OFFICIAL SEAL.




NOTARY PUBLIC

Kas



Scientific Drilling

RECEIVED

MAR 30 2009

HOBBSOCD

COG RESOURCES

Field: Maljamar
Site: Lea County, NM
Well: MC Federal #36
Wellpath: DH - Job #32D0209060
Survey: 02/18/09-02/27/09

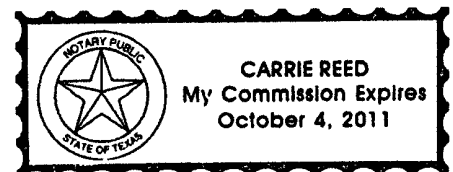
SUR: M-21-17s-32e, 565/S & 785/W
BHL: M-21-17s-32e, 378/S & 996/W
API # 30-025-39163

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

.....Lu Hartman..... Company Representative

Notorized this date 23rd of March, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International

Survey Report

Company: COG RESOURCES	Date: 03/23/2009	Time: 12:08:49	Page: 1
Field: Maljamar	Co-ordinate(NE) Reference:	Site: Lea County, NM, True North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE: 0.0	
Well: MC Federal #36	Section (VS) Reference:	Well: (0.00N,0.00E,131.78Azi)	
Wellpath: VH - Job #32K0209062	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 02/18/09	Start Date: 02/18/2009
Company: Scientific Drilling Internatio	Engineer: Melendez/Rowe/Williams
Tool: Keeper;Keeper Gyro	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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.15	188.51	100.00	0.07	-0.13	-0.02	0.15	0.13	188.51
200.00	0.04	231.08	200.00	0.14	-0.28	-0.07	0.12	0.29	193.21
300.00	0.14	255.13	300.00	0.07	-0.33	-0.21	0.10	0.40	212.29
400.00	0.08	243.06	400.00	-0.03	-0.40	-0.39	0.06	0.56	224.59
500.00	0.12	248.64	500.00	-0.10	-0.47	-0.55	0.04	0.72	229.74
600.00	0.22	110.88	600.00	0.03	-0.57	-0.47	0.32	0.74	219.30
700.00	0.11	96.18	700.00	0.29	-0.65	-0.19	0.12	0.68	196.61
800.00	0.18	41.32	800.00	0.37	-0.54	0.00	0.15	0.54	179.52
900.00	0.20	30.52	900.00	0.33	-0.28	0.20	0.04	0.34	144.51
1000.00	0.31	30.67	1000.00	0.24	0.11	0.42	0.11	0.44	75.85
1100.00	0.47	47.95	1099.99	0.24	0.61	0.87	0.20	1.06	54.66
1200.00	0.72	49.21	1199.99	0.36	1.30	1.65	0.25	2.10	51.72
1300.00	0.74	49.16	1299.98	0.53	2.13	2.61	0.02	3.37	50.76
1400.00	0.86	51.81	1399.97	0.74	3.02	3.69	0.13	4.77	50.71
1500.00	1.23	67.71	1499.95	1.34	3.89	5.27	0.47	6.55	53.58
1600.00	1.41	67.16	1599.93	2.34	4.77	7.40	0.18	8.81	57.17
1700.00	1.76	58.61	1699.89	3.31	6.05	9.84	0.42	11.56	58.42
1800.00	1.71	55.87	1799.84	4.12	7.69	12.39	0.10	14.58	58.18
1900.00	2.27	54.62	1899.78	4.92	9.67	15.24	0.56	18.05	57.60
2000.00	2.17	62.89	1999.71	6.04	11.68	18.54	0.34	21.91	57.78
2100.00	1.53	69.89	2099.66	7.35	13.00	21.48	0.68	25.11	58.81
2164.00	1.49	69.41	2163.63	8.14	13.59	23.06	0.07	26.77	59.49



Scientific Drilling International Survey Report

Company: COG RESOURCES	Date: 03/23/2009	Time: 12:14:33	Page: 1
Field: Maljamar	Co-ordinate(NE) Reference:	Site: Lea County, NM, True North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: MC Federal #36	Section (VS) Reference:	Well (0.00N,0.00E,131.78Azi)	
Wellpath: DH - Job #32D0209060	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 02/18/09-02/27/09	Start Date: 02/18/2009
Company: Scientific Drilling Internatio	Engineer: Calvert/Elger/Noack/Glass
Tool: MWD;MWD	Tied-to: From: Definitive Path

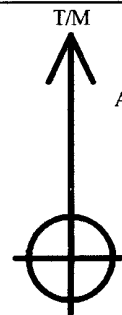
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
2164.00	1.49	69.41	2163.63	8.14	13.59	23.06	0.00	26.77	59.49
2243.00	1.42	43.80	2242.61	8.65	14.66	24.70	0.82	28.72	59.31
2338.00	1.87	105.68	2337.58	10.09	15.09	27.01	1.83	30.93	60.81
2433.00	2.96	126.66	2432.49	13.92	13.20	30.47	1.46	33.20	66.57
2528.00	4.95	131.28	2527.26	20.46	9.04	35.51	2.12	36.65	75.73
2719.00	4.99	134.01	2717.54	37.00	-2.17	47.68	0.13	47.73	92.61
2909.00	5.20	140.14	2906.79	53.78	-14.52	59.14	0.31	60.90	103.80
3098.00	5.19	141.82	3095.02	70.67	-27.82	69.92	0.08	75.25	111.70
3288.00	6.13	151.96	3284.09	88.65	-43.53	80.00	0.72	91.07	118.55
3478.00	4.96	143.43	3473.21	106.22	-59.08	89.66	0.75	107.37	123.38
3668.00	7.22	140.59	3662.12	126.07	-74.90	102.14	1.20	126.66	126.25
3858.00	7.98	131.71	3850.46	151.06	-92.90	119.56	0.74	151.41	127.85
3985.00	4.80	136.49	3976.65	165.17	-102.62	129.80	2.54	165.47	128.33
4112.00	4.88	137.27	4103.20	175.84	-110.45	137.13	0.08	176.07	128.85
4301.00	4.56	120.15	4291.57	191.21	-120.12	149.08	0.76	191.45	128.86
4460.00	4.13	135.06	4450.12	203.11	-127.35	158.59	0.76	203.39	128.77
4651.00	5.91	142.89	4640.38	219.63	-140.06	169.38	1.00	219.79	129.59
4841.00	5.27	138.55	4829.47	237.89	-154.40	181.06	0.40	237.96	130.46
5031.00	4.20	144.03	5018.82	253.36	-166.58	190.92	0.61	253.38	131.10
5133.00	4.22	145.19	5120.55	260.66	-172.68	195.26	0.09	260.66	131.49
5228.00	4.23	145.84	5215.29	267.46	-178.45	199.22	0.05	267.46	131.85
5324.00	2.33	126.98	5311.13	272.84	-182.55	202.77	2.25	272.84	132.00
5419.00	0.27	131.35	5406.10	274.99	-183.86	204.48	2.17	274.99	131.96
5608.00	0.37	117.43	5595.10	276.02	-184.44	205.36	0.07	276.02	131.93
5767.00	0.38	146.12	5754.10	277.03	-185.11	206.11	0.12	277.03	131.93
5957.00	0.31	91.51	5944.09	278.03	-185.65	206.97	0.17	278.03	131.89
6116.00	0.34	141.88	6103.09	278.83	-186.03	207.69	0.17	278.83	131.85
6306.00	0.24	190.07	6293.09	279.59	-186.87	207.97	0.13	279.59	131.94
6497.00	0.32	145.42	6484.09	280.32	-187.70	208.20	0.12	280.32	132.04
6687.00	0.41	88.47	6674.08	281.33	-188.12	209.18	0.19	281.33	131.96
6877.00	0.22	53.17	6864.08	281.90	-187.88	210.16	0.14	281.90	131.80
6919.00	0.37	32.38	6906.08	281.89	-187.72	210.29	0.43	281.89	131.75



Scientific
Drilling

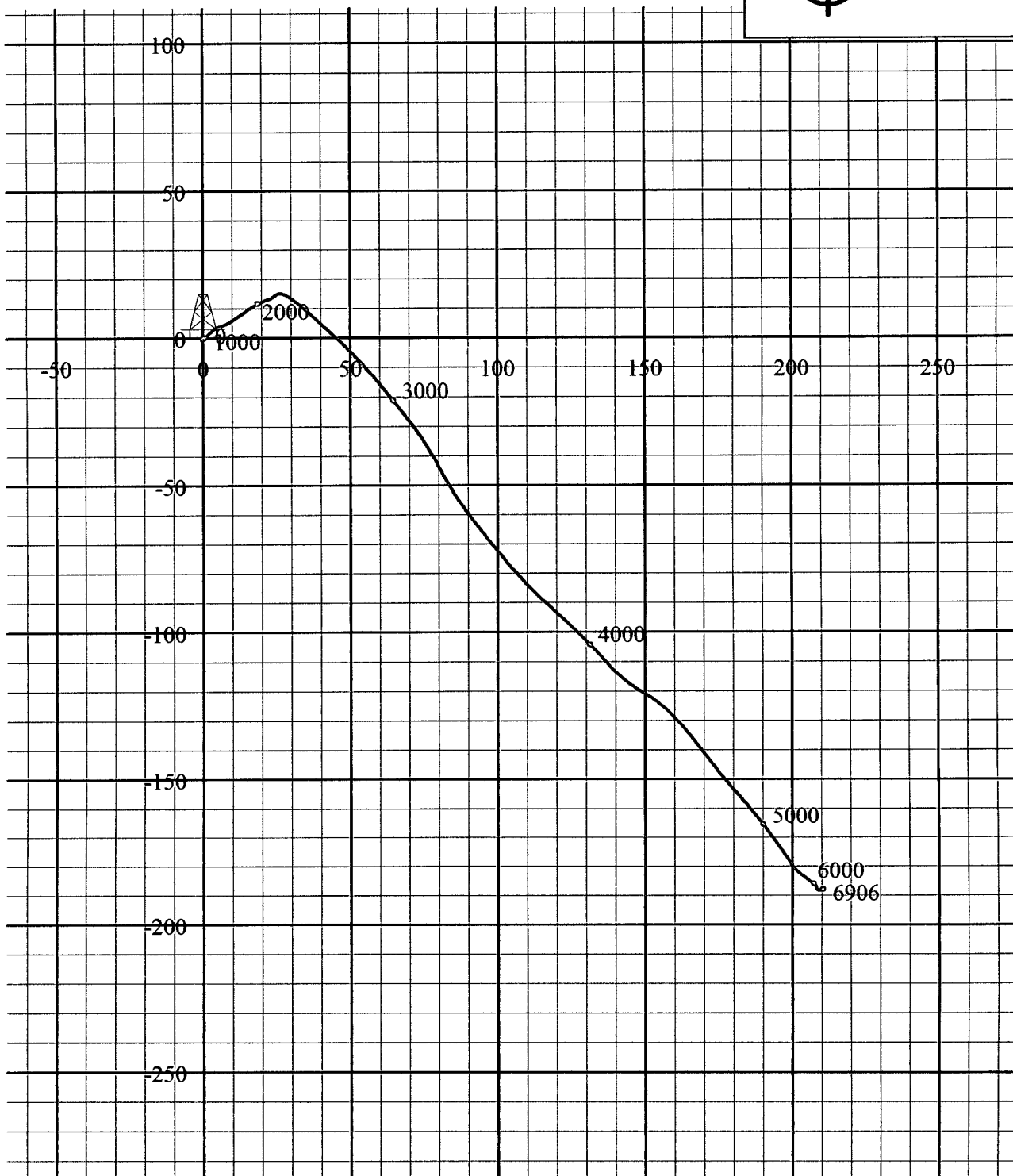
Field: Maljamar
Site: Lea County, NM
Well: MC Federal #36
Wellpath: DH - Job #32D0209060
Survey: 02/18/09-02/27/09



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 03/23/2009
Model: igrf2000

South(-)/North(+) [50ft/in]



West(-)/East(+) [50ft/in]

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

MAR 31 2009

HOBBSOCD

FORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other						5. Lease Serial No. NMLC029509A					
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____						6. If Indian, Allottee or Tribe Name					
2. Name of Operator COG OPERATING LLC						Contact: ROBYN ODOM E-Mail: rododom@conchoresources.com					
3. Address 550 W TEXAS AVE SUITE 1300 MIDLAND, TX 79701						3a. Phone No. (include area code) Ph: 432-685-4385					
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWSW Lot M 565FSL 785FWL At top prod interval reported below SWSW Lot M 565FSL 785FWL At total depth SWSW Lot M 330FSL 990FWL						8. Lease Name and Well No. MC FEDERAL 36					
14. Date Spudded 02/14/2009						15. Date T.D. Reached 02/28/2009					
16. Date Completed ☐ D & A ☒ Ready to Prod. 03/20/2009						9. API Well No. 30-025-39163-00-S1					
18. Total Depth: MD 7015 TVD 7001						19. Plug Back T.D.: MD 6940 TVD					
20. Depth Bridge Plug Set: MD TVD						10. Field and Pool, or Exploratory MALJAMAR-YESO					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) COMPENSATEDNEUT						11. Sec., T., R., M., or Block and Survey or Area Sec 21 T17S R32E Mer NMP					
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)						12. County or Parish LEA					
23. Casing and Liner Record (Report all strings set in well)						13. State NM					
17. Elevations (DF, KB, RT, GL)* 4002 GL											
24. Tubing Record											
25. Producing Intervals											
26. Perforation Record											
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.											
28. Production - Interval A											
28a. Production - Interval B											

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #68444 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

ACCEPTED FOR RECORD
ELECTRIC PUMPING UNIT
MAR 28 2009
BUREAU OF LAND MANAGEMENT
CARESSA FIELD UNIT

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate →	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	

29. Disposition of Gas/Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
YATES QUEEN SAN ANDRES YESO	2085 3068 3845 5455		DOLOMITE & SAND SAND DOLOMITE & ANHYDRITE DOLOMITE & ANHYDRITE		

32. Additional remarks (include plugging procedure):
Logs will be mailed.

Acid, Fracture, Treatment, Cement Squeeze etc. continued...

6640 - 6840 Acidize w/60 bbls acid.

6640 - 6840 Frac w/3351 bbls gel, 180,662# 16/30 sand.

33. Circle enclosed attachments.

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #68444 Verified by the BLM Well Information System.
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by CHERYLE RYAN on 03/26/2009 (09CMR0118SE)**

Name (please print) ROBYN ODOM

Title REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 03/26/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

RECEIVED

MAR 30 2009

HOBBSDO

DISTRICT I

1625 N FRENCH DR., HOBBBS, 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 Department

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State LEase - 4 Copies

Fee LEase - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-39163	Pool Code 44500	Pool Name Maljamar; Yeso, West
Property Code 302519	Property Name MC FEDERAL	Well Number 36
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 4002'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	21	17-S	32-E		565	SOUTH	785	WEST	LEA

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
M	21	17-S	32-E		377 378	SOUTH	995 996	WEST	LEA
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

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

DETAIL GRID AZ.=138°38'16" HORIZ. DIST.=312.5' SEE DETAIL S.L. 785' 995' B.H. 377' 565' 4003.3' 4008.7' 600' 3990.0' 4002.3' GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=660412.2 N X=670931.9 E LAT.=32.814325° N LONG.=103.776961° W BOTTOM HOLE LOCATION Y=660177.7 N X=671138.4 E	OPERATOR CERTIFICATION I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>Robyn Odom</i> Date: 3/25/09 Printed Name: Robyn Odom 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 Surveyed: JUNE 27, 2008 Signature & Seal of Professional Surveyor: <i>Ronald J. Eidson</i> Certificate No. GARY G. EIDSON 12841 RONALD J. EIDSON 3239
--	---

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

Form C-104
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address COG Operating LLC 550 W. Texas Avenue, Suite 1300 Midland, TX 79701		² OGRID Number 229137 ✓
		³ Reason for Filing Code/ Effective Date NW effec 03/25/2009
⁴ API Number 30 – 025 – 39163 ✓	⁵ Pool Name Maljamar; Yeso, West	⁶ Pool Code 44500
⁷ Property Code 302519 ✓	⁸ Property Name M C Federal	⁹ Well Number 036 ✓

II. ¹⁰ Surface Location

Ul or lot no. M	Section 21	Township 17S	Range 32E	Lot.Idn	Feet from the 565	North/South Line South	Feet from the 785	East/West line West	County Lea
--------------------	---------------	-----------------	--------------	---------	----------------------	---------------------------	----------------------	------------------------	---------------

¹¹ Bottom Hole Location

UL or lot no. M	Section 21	Township 17S	Range 32E	Lot Idn	Feet from the 330 378	North/South line South	Feet from the 990 296	East/West line West	County Lea
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date 03/25/98	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 POD	²¹ O/G	²² POD ULSTR Location and Description
15694	Navajo Refining Co. Pipeline Division	2825483	O	
	P O Box 159 Artesia, NM 88211-0159			
221115	Frontier Field Services	2825484	G	

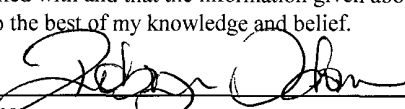
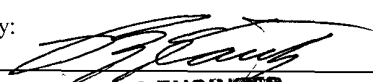
IV. Produced Water

²³ POD 2825485	²⁴ POD ULSTR Location and Description
------------------------------	--

V. Well Completion Data

²⁵ Spud Date 02/14/09	²⁶ Ready Date 3/20/09	²⁷ TD 7015	²⁸ PBDT 6940	²⁹ Perforations 6100 - 6840	³⁰ DHC, MC
³¹ Hole Size	³² Casing & Tubing Size	³³ Depth Set	³⁴ Sacks Cement		
17 ½	13 3/8	830	600		
11	8 5/8	2194	700		
7 7/8	5 ½	7009	1100		
	2-7/8" tbg	6350			

VI. Well Test Data

³⁵ Date New Oil 03/25/09	³⁶ Gas Delivery Date 03/25/09	³⁷ Test Date 03/25/09	³⁸ Test Length 24 hrs	³⁹ Tbg. Pressure 70	⁴⁰ Csg. Pressure 70
⁴¹ Choke Size	⁴² Oil 103	⁴³ Water 0	⁴⁴ Gas 0	⁴⁵ AOF	⁴⁶ Test Method P
⁴⁷ 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: Robyn Odom			Approved by: 		
Title: Regulatory Analyst			Title: PETROLEUM ENGINEER		
E-mail Address: rododom@conchoresources.com			Approval Date: APR 13 2009		
Date: 03/26/2009		Phone: 432-685-4385			