

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
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

11885 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

For Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-38949	Pool Code 28509	Pool Name GRAYBURG JACKSON; SR-Q-GB-SA
Property Code 308272	Property Name CONTINENTAL STATE	Well Number 5
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3561'

Surface Location

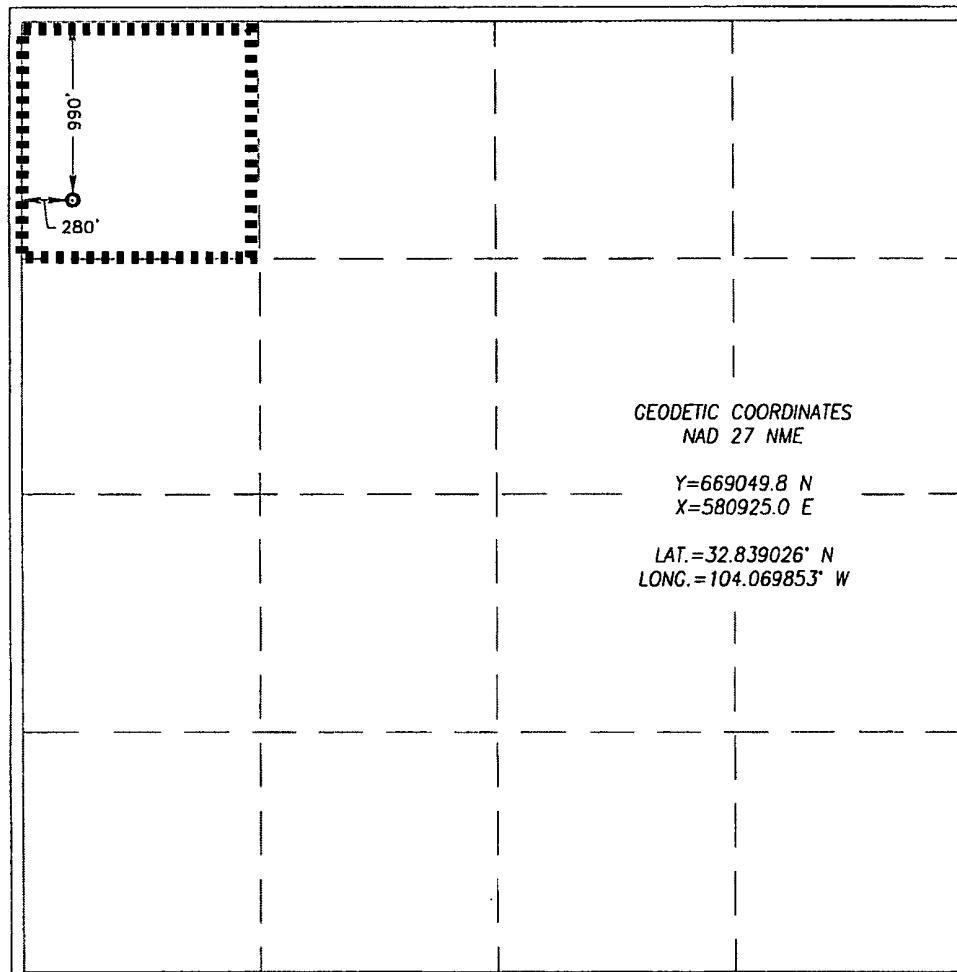
UL or lot No. D	Section 15	Township 17-S	Range 29-E	Lot Idn	Feet from the 990	North/South line NORTH	Feet from the 280	East/West line WEST	County EDDY
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Bottom Hole Location If Different From Surface

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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Dedicated Acres 40	Joint or Infill	Consolidation Code	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



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.

Chasity Jackson 1/9/12
Signature Date
Chasity Jackson
Printed Name

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.

DECEMBER 22, 2010
Date Surveyed DSS
Signature & Seal of Professional Surveyor
J. EIDSON
Certification of J. EIDSON 12841 3238



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

November 16, 2011

COG, LLC
Fasken Center, Tower II
550 West Texas Ave, Suite 1300
Midland, TX 79701

RE: Continental State #5
990' FNL & 280' FWL
Sec. 15, T17S, R29E
Eddy County, New Mexico

Dear Sir,

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

Very truly yours,

A handwritten signature in cursive script, appearing to read "Chris Graham".

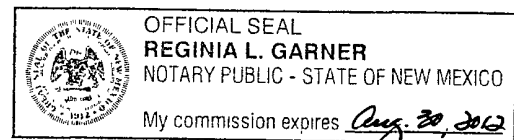
Chris Graham
Drilling Superintendent

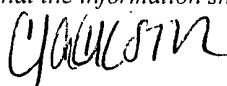
State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 16th day of November, 2011.

A handwritten signature in cursive script, appearing to read "Regina L. Garner".

Notary Public



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 RECEIVED FEB 08 2012 Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 NMOCD ARTESIA				Form C-105 July 17, 2008				
		1. WELL API NO. 30-015-38949								
		2. Type of Lease <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN								
		3. State Oil & Gas Lease No								
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing <input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input type="checkbox"/> 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 Continental State				
7. Type of Completion <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER						6. Well Number. 5				
8. Name of Operator COG Operating LLC						9. OGRID 229137				
10. Address of Operator 550 W Texas Ave, Suite 100 Midland, TX 79701						11. Pool name or Wildcat Grayburg Jackson; SR-Q-G-SA 28509				
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	D	15	17S	29E		990	North	280	West	Eddy
BH:										
13. Date Spudded 11/7/11	14. Date T.D. Reached 11/13/11	15. Date Rig Released 11/15/11		16. Date Completed (Ready to Produce) 12/15/11		17. Elevations (DF and RKB, RT, GR, etc) 3561 GR				
18. Total Measured Depth of Well 5510		19. Plug Back Measured Depth 5422		20. Was Directional Survey Made? No		21. Type Electric and Other Logs Run CN/HNGS, MCFL/HNGS, GR/CCL				
22. Producing Interval(s), of this completion - Top, Bottom, Name Yeso										
23 CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13-3/8		48		375		17-1/2		400		
8-5/8		24		858		11		400		
5-1/2		17		5499		7-7/8		950		
24 LINER RECORD										
SIZE	TOP	BOTTOM		SACKS CEMENT		SCREEN				
25 TUBING RECORD										
SIZE	DEPTH SET		PACKER SET							
	2-7/8		4980							
26. Perforation record (interval, size, and number)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
3990 - 4265 - .41, 26 holes Open						DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED				
4385 - 4610 - .41, 26 holes Open						3990 - 4265 See Attachment				
4680 - 4930 - .41, 26 holes Open						4385 - 4610 See Attachment				
5000 - 5250 - .41, 26 holes Open						4680 - 4930 See Attachment				
						5000 - 5250 See Attachment				
28 PRODUCTION										
Date First Production 12/29/11		Production Method (Flowing, gas lift, pumping - Size and type pump) 2-1/2" x 2" x 24' pump				Well Status (Prod. or Shut-in) Producing				
Date of Test 12/29/11	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl 128	Gas - MCF 209	Water - Bbl 588	Gas - Oil Ratio 1632			
Flow Tubing Press. 70	Casing Pressure 70	Calculated 24-Hour Rate	Oil - Bbl 128	Gas - MCF 209	Water - Bbl 588	Oil Gravity - API - (Corr) 40.3				
29. Disposition of Gas (Sold, used for fuel, vented, etc) Sold								30. Test Witnessed By Kent Greenway		
31. List Attachments Logs, C-102, C-104, Deviation Survey										
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 			Printed Name Chasity Jackson Title Regulatory Analyst Date 1/9/12							
E-mail Address cjackson@concho.com										

Continental State #5
API#: 30-015-38949
EDDY, NM

C-105 (#27) ADDITIONAL INFORMATION

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
3990 - 4265	Acidize w/1,500 gals acid.
	Frac w/94,588 gals gel, 98,382# 16/30 ottawa,
	20,124# 16/30 CRC sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4385 - 4610	Acidize w/2,500 gals acid.
	Frac w/116,001 gals gel, 146,131# 16/30 ottawa,
	29,843# 16/30 CRC sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4680 - 4930	Acidize w/2,500 gals acid.
	Frac w/116,473 gals gel, 146,186# 16/30 ottawa,
	32,531# 16/30 CRC sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5000 - 5250	Acidize w/2,500 gals acid.
	Frac w/116,502 gals gel, 146,821# 16/30 ottawa,
	32,665# 16/30 CRC sand.



Daily Wellbore Schematics Report

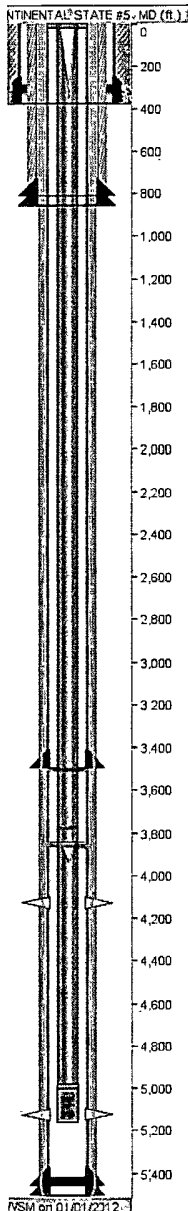
1

ID: 30-015-38949

Well Name: CONTINENTAL STATE #5

Event#: 3.00

Report Dates: 01/01/2012



PIPE SPECIFICATION

STRING NAME	SECTION NAME	JOINT COUNT	START DEPTH	END DEPTH	LENGTH	OD SIZE	ID SIZE	WT GRDNT	GRD	CONN
SURFACE	GUIDE SHOE		373.90	375.00	1.10	14.38				8RD.
SURFACE	CASING	1	331.77	373.90	42.13	13.38	12.71	48.0	H-40	8RD.
SURFACE	INSERT FLOAT		331.77	331.77	0.00					8RD.
SURFACE	CASING	8	-4.60	331.77	336.37	13.38	12.71	48.0	H-40	8RD.
PRODUCTION	FLOAT SHOE		5497.60	5499.07	1.47	6.05				8RD.
PRODUCTION	CASING	1	5452.47	5497.60	45.13	5.50	4.89	17.0	J-55	8RD.
PRODUCTION	FLOAT COLLAR		5451.17	5452.47	1.30	6.05				8RD.
PRODUCTION	CASING	43	3510.19	5451.17	1940.98	5.50	4.89	17.0	J-55	8RD.
PRODUCTION	MARKER JOINT	1	3493.14	3510.19	17.05	5.50	4.89	17.0	J-55	8RD.
PRODUCTION	CASING	77	18.00	3493.14	3475.14	5.50	4.89	17.0	J-55	8RD.
PRODUCTION	LANDING JOINT		-3.20	18.00	21.20	5.50	4.89	17.0	J-55	8RD.
TUBING	BULL PLUG		5162.85	5163.23	0.38					
TUBING	MUD ANCHOR	1	4999.96	5162.85	162.89	2.88	2.44	6.5	J-55	
TUBING	DESANDER		4980.66	4999.96	19.30	2.88	2.44	6.5	J-55	
TUBING	SEAT NIPPLE		4979.86	4980.66	0.80	2.88	2.44	6.5	J-55	
TUBING	TUBING	1	3842.08	4979.86	1137.78	2.88	2.44	6.5	J-55	
TUBING	TUBING ANCHOR		3839.08	3842.08	3.00	4.50	2.44	6.5	J-55	
TUBING	TUBING	1	3774.00	3839.08	65.08	2.88	2.44	6.5	J-55	
TUBING	PUP JOINT		3772.00	3774.00	2.00	2.88	2.44	6.5	J-55	
TUBING	TUBING	1	0.00	3772.00	3772.00	2.88	2.44	6.5	J-55	
INTERMEDIATE	GUIDE SHOE		856.90	858.00	1.10	9.63				8RD.
INTERMEDIATE	CASING	1	811.91	856.90	44.99	8.63	8.10	24.0	J-55	8RD.
INTERMEDIATE	FLOAT COLLAR		810.51	811.91	1.40	9.63				8RD.
INTERMEDIATE	CASING	18	-3.33	810.51	813.84	8.63	8.10	24.0	J-55	8RD.

CEMENTING

STRING NAME	STAGE #	LEAD TOP (est) (ft)	LEAD TOP (ver) (ft)	TAIL TOP (est) (ft)	TAIL TOP (ver) (ft)
SURFACE	1			0.0	0.0
PRODUCTION	1	0.0	0.0		
INTERMEDIATE	1	0.0	0.0		

BHA STRING

DRILL EQUIP CODE	DESCRIPTION	LENGTH	OD SIZE	ID SIZE
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PERFORATION

ZONE	JOB REPORT DATE	ZONE NAME	TOP DEPTH	BOTTOM DEPTH	HOLE SIZE	PEN SIZE	SQUEEZED
1	12/08/2011	BLINEBRY	5000.00	5250.00	0.34	22.40	N
4	12/09/2011	PADDOCK	3990.00	4265.00	0.34	22.40	N