

District I1625 N French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax (575) 393-0720**District II**811 S First St., Artesia, NM 88210
Phone (575) 748-1283 Fax (575) 748-9720**District III**1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170**District IV**1220 S St Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3470 Fax (505) 476-3462

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

Form C-103
August 1, 2011

Permit 140095

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVIOR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)		WELL API NUMBER 30-015-38971
1 Type of Well: O		5 Indicate Type of Lease S
2 Name of Operator COG OPERATING LLC		6 State Oil & Gas Lease No
3 Address of Operator 550 W TEXAS, SUITE 1300, MIDLAND, TX 79701		7 Lease Name or Unit Agreement Name RAPTOR 12 STATE COM
4. Well Location Unit Letter M : 400 feet from the S line and 200 feet from the W line Section 12 Township 16S Range 28E NMPM Eddy County		8 Well Number 001H
11 Elevation (Show whether DR, KB, BT, GR, etc) 3533 GR		9 OGRID Number 229137
10 Pool name or Wildcat See Area 13		
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/> 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 OF PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL. ☐
 Other: _____

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTER CASING ☐
 COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDON ☐
 CASING/CEMENT JOB ☐
 Other Perforations/Tubing ☒

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
 Please see attachment.
 See Attached

Perforations**Pool: ISHEE LAKE; ABO, 97627 Location: P -12-16S-28E 427 S 341 E**

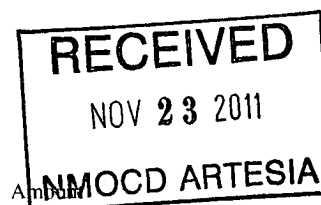
TOP	BOT	Open Hole	Shots/ft	Shot Size	Material	Stimulation	Annulus
6861	10648		0			Acid	59292
6861	10648		0		Sand	Frac	1271584
6861	10648		0		Sand	Frac	187370
6861	10648		0		Sand/Water	Frac	1417443

Tubing**ISHEE LAKE; ABO, 97627**

Tubing Size	Type	Depth Set	Packer Set
2.875	J55	5923	

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 _____ TITLE _____ DATE _____
 Type or print name _____ E-mail address _____ Telephone No. _____
 For State Use Only:
 APPROVED BY: TE Spent TITLE Geologist DATE NOV 23 2011



Raptor 12 State Com 1H
30-015-38971

C103 Completion Attachment

08/30/11 Top of Liner @ 5828

Packer @ 6633
Frac Port @ 6861
Packer @ 7049
Frac Port @ 7232
Packer @ 7416
Frac Port @ 7590
Packer @ 7778
Frac Port @ 8007
Packer @ 8191
Frac Port @ 8375
Packer @ 8560
Frac Port @ 8745
Packer @ 8933
Frac Port @ 9117
Packer @ 9305
Frac Port @ 9533
Packer @ 9721
Frac Port @ 9905
Packer @ 10,093
Frac Port @ 10,276
Packer @ 10,464
Frac Port @ 10,648
Packer @ 10,836
Anchor @ 10,894
POP @ 10,942

09/16/11 Acidize w/ 59,292 gals 20% HCL.

Frac w/1,417,443 gals gel, 1,704,475 gals wtr frac gel , 1,271,584# 30/50 White sand, 187,370# 20/40 Crc sand.

10/07/11 TIH w/ 184 2-7/8" J55 6.5# tbg. EOT @ 5923. RIH w/ ESP pump.

10/08/11 Hang on well.