

1. Operator Name and Address COG OPERATING LLC 550 W TEXAS MIDLAND , TX 79701		2. OGRID Number 229137
		3. API Number 30-015-38246
4. Property Code 38366	5. Property Name BOYLES 24	6. Well No. 001H

UL - Lot N	Section 24	Township 25S	Range 28E	Lot Idn N	Feet From 330	N/S Line S	Feet From 1980	E/W Line W	County EDDY
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WILLOW LAKE:BONE SPRING, SOUTHEAST	96217
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9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 2876
14. Multiple N	15. Proposed Depth 11550	16. Formation Bone Spring	17. Contractor	18. Spud Date 11/12/2010
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mills thick Clay <input type="checkbox"/> Pit Volume: bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	400	425	0
Int1	12.25	9.625	36	2650	700	0
Prod	7.875	5.5	17	11550	1200	2500

Drill 17 1/2" hole to 400' with freshwater, run 400' of 13 3/8" 48# H-40 casing and cement to surface. Drill 12 1/4" hole to 2650' with brine water, run 2650' of 36#, J-55 9 5/8" casing and cement to surface. Drill 7 7/8" hole to 10,000' with cut brine, run electric logs then plug back and drill to new BHL at a TVD of 7100' then run 6550' of 17# 5 1/2" N-80 casing, followed by 5000' of 17# 5 1/2" P110 then cement to 2500'.

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	Cameron

Conditions of Approval Attached

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(505) 393-6161 Fax:(505) 393-0720

District II
 1301 W. Grand Ave., Artesia, NM 88210
 Phone:(505) 748-1283 Fax:(505) 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-102
 Permit 122185

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-38246	2. Pool Code 96217	3. Pool Name WILLOW LAKE;BONE SPRING, SOUTHEAST
4. Property Code 38366	5. Property Name BOYLES 24	6. Well No. 001H
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 2876

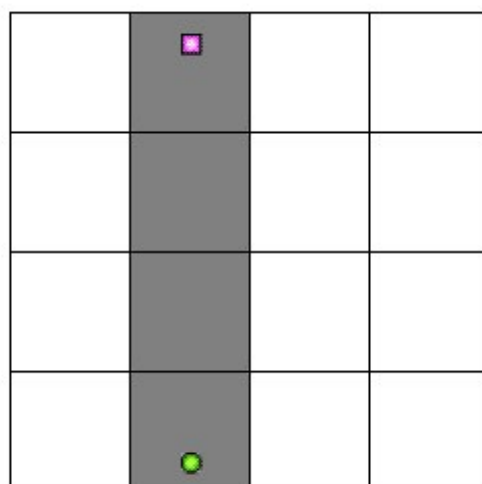
10. Surface Location

UL - Lot N	Section 24	Township 25S	Range 28E	Lot Idn	Feet From 330	N/S Line S	Feet From 1980	E/W Line W	County EDDY
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11. Bottom Hole Location If Different From Surface

UL - Lot C	Section 24	Township 25S	Range 28E	Lot Idn C	Feet From 330	N/S Line N	Feet From 1980	E/W Line W	County EDDY
12. Dedicated Acres 160.00		13. Joint or Infill		14. Consolidation Code		15. 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



OPERATOR CERTIFICATION

I hereby certify that the information contained 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(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: Diane Kuykendall

Title: Regulatory Analyst

Date: 10/25/2010

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.

Surveyed By: Filmon Jaramillo

Date of Survey: 10/19/2010

Certificate Number: 12797

Permit Comments

Operator: COG OPERATING LLC , 229137

Well: BOYLES 24 #001H

API: 30-015-38246

Created By	Comment	Comment Date
PEDWARDS	COG Operating LLC. has conducted a review to determine if an H2S contingency plan is required for the above referenced well. We were able to conclude that any potential hazardous volume would be minimal. H2S concentrations of wells in this area from surface to TD are low enough; therefore we do not believe that an H2S Contingency Plan would be necessary.	10/25/2010

Permit Conditions of Approval

Operator: COG OPERATING LLC , 229137

Well: BOYLES 24 #001H

API: 30-015-38246

OCD Reviewer	Condition
Artesia	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string