

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

WELL API NO. 30-015-36482
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Kool Aid State
8. Well Number 5
9. OGRID Number 229137
10. Pool name or Wildcat Empire: Glorieta - Yeso

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-100) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator COG Operating LLC	
3. Address of Operator One Concho Center, 600 W. Illinois Avenue, Midland, TX 79701	
4. Well Location Unit Letter <u>A</u> : <u>990</u> feet from the <u>North</u> line and <u>990</u> feet from the <u>East</u> line Section <u>24</u> Township <u>17S</u> Range <u>28E</u> NMPM County <u>Eddy</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
DOWNHOLE COMMINGLE <input type="checkbox"/>	P AND A <input type="checkbox"/>
CLOSED-LOOP SYSTEM <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>
OTHER: Recomplete <input checked="" type="checkbox"/>	OTHER: <input type="checkbox"/>

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

COG Operating LLC respectfully requests to recomplete the Kool Aid State #5. Ideally, we like to have the additional space of rat hole below our bottom perfs to give our bottom hole assembly room and prevent tubing from getting stuck with sand. In addition to having desired rat hole space, this gives COG the option to re-enter the paddock formation at a later time.

Please see attached Proposed Recompletion Procedure, Current WB Diagram and Proposed WB Diagram.

Red LAKE OGS SA.
51300

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Dana King TITLE Permit Specialist DATE 2/27/2019

Type or print name Dana King E-mail address: dking@concho.com PHONE: (432) 818-2267

For State Use Only

APPROVED BY: Raymond R. Pordany TITLE Geologists DATE 3-1-19
Conditions of Approval (if any):

Kool Aid State #5 – Proposed Recompletion 30-015-36482

We plan to have our top perfs from 2,650' – 2,850' and bottom perfs from 3,000' – 3,200'. Ideally, we like to have the additional space of rat hole below our bottom perfs to give our bottom hole assembly room and prevent tubing from getting stuck with sand. In addition to having desired rat hole space, this gives COG the option to re-enter the paddock formation at a later time.

Equipment Pull Procedure

- RIH w/ perforating guns and perforate San Andres Zone from 3,000'-3,200', w/ 3 spf, 120° phasing, 54 holes
- Dump bail acid in the perf interval
- NU 5K frac valve
- Secure wellbore
- RDMO WSU

Tentative Recompletion Procedure

- RU Elite Well Services Frac Crew
- Acidize w/ 3,000 gals of 15% HCl.
- XL Frac zone w/ 200,000 # of sand.
- Record ISIP and FG, Get 5, 10, 15 min SIP
- Rig up Wireline
- RIH w/ WL and set Composite Plug @ 2,950'
- Perforate San Andres Zone from 2,650'-2,850', w/ 3 spf, 120° phasing, 54 holes.
- Acidize w/ 3,000 gals of 15% HCl.
- XL Frac zone w/ 200,000 # of sand.
- Record ISIP and FG, Get 5, 10, 15 min SIP
- RDMO Elite

Return to Production Procedure

- MIRU WSU
- RIH with bit and bailer to drill
- Clean out fill to new PBTD @ 3,775'
- RIH with production tubing as follows:
 - (78) jts 2-7/8" J55 6.5# tbg
 - (1) 2' marker joint
 - (2) jts 2-7/8" J55 6.5# tbg
 - TAC @ 2,500'
 - (23) jts 2-7/8" J55 6.5# tbg
 - SN @ 3,230'
 - (1) 20' MSMA
 - EOT @ 3,250'
- ND BOP, set TAC, flange up WH
- RIH w/ rod design as follows:
 - (1) 26' x 1-1/2" SMPR
 - (1) 6' x 3/4" rod sub
 - (2) 8' x 3/4" rod subs
 - (122) 3/4" D rods
 - (7) 1-5/8" K bars
 - (1) 25-150 RHBC-20' Pump
- Hang on, load tubing and note pump action and alignment
- Clean location
- PWOP
- RDMO, TOTP

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State of New Mexico
Energy, Minerals & Natural Resources Department
NM OIL CONSERVATION
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

MAR 04 2019

RECEIVED

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

* API Number 30-015-36482		* Pool Code 51300	* Pool Name Red Lake, Queen - Grayburg - San Andres
* Property Code 37287	* Property Name Kool Aid State		* Well Number 5
* OGRID No. 229137	* Operator Name COG Operating, LLC		* Elevation 3716

* Surface Location

UL or lot no.	Section	Township	Range	Lot 1 dn	Feet from the	North/South line	Feet from the	East/West line	County
A	24	17S	28E		990	North	990	East	Eddy

* Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1 dn	Feet from the	North/South line	Feet from the	East/West line	County
* 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.

	<p>* OPERATOR CERTIFICATION</p> <p>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 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.</p> <p><u>Dana King</u> 3/4/2019 Signature Date</p> <p>Dana King Printed Name</p> <p>dking@coenergy.com E-mail Address</p>	
	<p>* SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey _____ Signature and Seal of Professional Surveyor: _____</p>	
	<p>Certificate Number _____</p>	

KWP 3-5-19,



CURRENT WELLBORE DIAGRAM

API: 30-015-36482
SPUD: 03/01/2010

**Kool Aid State #5
Empire Field
Glorieta-Yeso Pool
Eddy County, NM
Paddock / Blinebry Formation**

SHL: Sec. 24, T 17S - R 28E
990' FNL & 990' FEL

Hole Size: 11"

Surface Casing

8-5/8" 32# J-55 @ 302'

CMT'ed w/:

850SX

CIRC. 490 SX

Hole Size: 7-7/8"

Production Casing

5-1/2" 17# J-55 LT&C @ 5,405'

CMT'ed w/:

950 SX LEAD + 400 SX TAIL

CIRC. 206 SX

Item Desc	JB	OD (in)	WT (lb/ft)	Grade	Len (ft)
KB MEASUREMENT		0.0	0.00		0.0
TUBING	113	2 7/8	6.50	J55	3,661.9
MARKER JOINT		2 7/8	6.50	J55	3,683.9
TUBING	2	2 7/8	6.50	J55	3,728.9
TUBING ANCHOR		2 7/8	6.50	J55	3,731.8
TUBING	42	2 7/8	6.50	J55	5,081.8
SEAT NIPPLE		2 7/8	6.50	J55	5,082.9
DESANDER		2 7/8	6.50	J55	5,110.9
TUBING	1	2 7/8	6.50	J55	5,143.4
BULL PLUG		0.0	0.00		5,143.8

Perforations

Paddock

3,860-4,090', 26 shots, 1 SPF

Upper Blinebry

4,310-4,510', 26 shots, 1 SPF

Middle Blinebry

4,580-4,780', 26 shots, 1 SPF

Lower Blinebry

4,850-5,050', 26 shots, 1 SPF

PBTD 5,343'

EA: 07/13/2016



PROPOSED WELLBORE DIAGRAM

API: 30-015-36482
SPUD: 03/01/2010

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Empire Field
Glorieta-Yeso Pool
Eddy County, NM
Paddock / Blinebry Formation**

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990' FNL & 990' FEL

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Hole Size: 7-7/8"

Production Casing

5-1/2" 17# J-55 LT&C @ 5,405'

CMT'ed w/:

950 SX LEAD + 400 SX TAIL

CIRC. 206 SX

Perforations

San Andres

2,650 - 2,850', 54 shots, 3 SPF

Composite Plug @ 2,950'

San Andres

3,000' - 3,200', 54 shots, 3 SPF

**CIBP @ 3,815' with 40' of
cement on top set 1/11/2019**

Perforations

Paddock

3,860-4,090', 26 shots, 1 SPF

Upper Blinebry

4,310-4,510', 26 shots, 1 SPF

Middle Blinebry

4,580-4,780', 26 shots, 1 SPF

Lower Blinebry

4,850-5,050', 26 shots, 1 SPF

PBTD 5,343'

EA: 07/13/2016