

DEC 12 2018

Intent As Drilled

API #
30-015-45547

Operator Name: COG Operating LLC	Property Name: SRO 4 State Com	Well Number 501H
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RECEIVED

Kick Off Point (KOP)

UL D	Section 4	Township 26S	Range 28E	Lot	Feet 223	From N/S North	Feet 1220	From E/W West	County Eddy
Latitude 32.078312					Longitude -104.096876			NAD 83	

First Take Point (FTP)

UL D	Section 4	Township 26S	Range 28E	Lot	Feet 100	From N/S North	Feet 1650	From E/W West	County Eddy
Latitude 32.078649					Longitude -104.095492			NAD 83	

Last Take Point (LTP)

UL N	Section 9	Township 26S	Range 28E	Lot	Feet 100	From N/S South	Feet 1650'	From E/W West	County Eddy
Latitude 32.050125					Longitude -104.095745			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? Y

Is this well an infill well? N

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name: COG Operating LLC	Property Name: SRO 4 State Com	Well Number 501H
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SRO 4 State Com #501H

Casing and Cement

<u>String</u>	<u>Hole Size</u>	<u>Csg OD</u>	<u>PPF</u>	<u>Depth</u>	<u>Sx Cement</u>	<u>TOC</u>
Surface	17-1/2"	13-3/8"	54.5#	700'	500	0'
Intermediate 2	12-1/4"	9-5/8"	40#	2,450'	900	0'
Production	8-3/4"	5-1/2"	17#	18,308'	3,300	2,000'

Well Plan

Drill 17-1/2" hole to 700' into the Rustler. Run 13-3/8" 54.5# J55 STC casing to TD and cement to surface in one stage. Will set in Rustler and cover water depth.

Drill 12-1/4" hole to ~2,450' with Brine. Run 9-5/8" 40# J-55 casing to TD and cement to surface in one stage.

Drill 8-3/4" vertical hole, curve & lateral to 18,308' with Cut Brine. Run 5-1/2" 17# P110 BTC casing to TD and cement to 2,000' in one stage.

Well Control

After setting 13-3/8" casing and installing 3000 psi casing head, NU 13-5/8" Cameron BOP. Test annular and casing to 1500 psi and other BOP equipment to 3000 psi.

After setting 9-5/8" casing and installing 3000 psi casing spool, NU 13-5/8" Cameron BOP. Test annular to 1500 psi and other BOP equipment to 3000 psi.