

**NM OIL CONSERVATION
ARTESIA DISTRICT**

FEB 19 2019

Intent ☒ As Drilled ☐

RECEIVED

API # 30-015-45749		
Operator Name: EOG Resources Inc.	Property Name: Rumble State	Well Number 4H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
D	28	18S	25E		860	N	150	W	Eddy
Latitude 32.7245873					Longitude -104.4967415			NAD 1983	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
D	28	18S	25E		860	N	650	W	Eddy
Latitude 32.7245628					Longitude -104.4967415			NAD 1983	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	28	18S	25E		860	N	330	E	Eddy
Latitude 32.7243514					Longitude -104.4825036			NAD 1983	

Is this well the defining well for the Horizontal Spacing Unit? ☒ Yes

Is this well an infill well? ☐

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

State Permit Information:**Well Name:** Rumble State #4H**Location:**

SL: 860' FNL 150' FWL, 28-18S-25E

BHL: 860' FNL 330' FEL, 28-18S-25E

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
12.25"	0'-1300'	9.625"	36#	J-55	LTC	1.125	1.25	1.80
8.75"	0'-12010'	5.5"	20#	L-80	BTC	1.125	1.25	1.80

Cement Program:

Depth	No. Sacks	Wt. lb/gal	Yld Ft ³ /ft	Slurry Description
1,300'	270	12.9	1.97	Lead: Class 'C' + 4%PF20(Bentonite Gel) + 2%PF1(Calcium Chloride) + 0.125#/skPF29(Celloflake) + 0.4#/skPF45 (Defoamer) 100% Excess (TOC @ Surface)
	210	14.8	1.34	Tail: Class 'C' + 2%PF1(Calcium Chloride)
12,010'	900	11.9	2.47	Lead: Class 50/50 PozC + 5%PF44(BWOW)(Salt) + 10% PF20(Bentonite Gel) +.2%PF153(Anti Settling Agent(+ 3#/sk OF42(Kolseal) + 0.125#/sk PF29 (celloflake) + 0.4#/sk PF45 (Defoamer) (TOC @ Surface) 35% Excess
	1270	13	1.48	Tail: Class PVL + 1.3% PF44(BWOW)(Salt) + 5% PF174 (Expanding Cement) + 0.5% PF606 (Fluid Loss) + 0.1% PF153 (Anti Settling Agent) + 0.4#/sk PF45 (Defoamer) 35% Excess

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0-1,300'	Fresh Water	8.6-8.8	28-32	N/c
1,300'-12,010'	Cut Brine	8.8-9.2	32-34	Less than