Intent [X] As Drilled [ ]

API #		
30-015-45208		
Operator Name: BOPCO, L.P.	Property Name: LOS MEDANOS 36-23-30 STATE Property 312176	Well Number 121H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	36	23S	30E		438'	SOUTH	242'	WEST	EDDY
Latitude					Longitude				NAD
32.255360					-103.842163				83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	36	23S	30E		330'	SOUTH	920'	WEST	EDDY
Latitude					Longitude				NAD
32.255067					-103.839970				83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
	36	23S	30E		100'	NORTH	920'	WEST	EDDY
Latitude					Longitude				NAD
32.268411					-103.840026				83

Is this well the defining well for the Horizontal Spacing Unit? [ ]

Is this well an infill well? [X]

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

API #		
Operator Name: BOPCO, L.P.	Property Name: LOS MEDANOS 36-23-30 STATE	Well Number 111H

KZ 06/29/2018

NM STATE DRILLING PERMITTING

Los Medanos 36-23-30 121H

KB 3432 | Deepest TVD 11462 | KOP 10908 | End of Curve 11829 | Measured depth 16259

Casing Type	Fluid Type	Mud Weight	Hole Size	Casing Size	Casing Grade	Casing Weight	Top MD	Setting Depth	Lead Cement	Tail Cement	Total Sks Cement	TOC	
Surface	FW/Native	8.5 - 10.0	17.5	13.375	J-55 LTC	54.5	0	690	327	289	616	0	
Intermediate	Brine	9.0-10.3	12.25	8.625	J-55 LTC	32	0	10300	2305	634	2939	3200	1st Stage
DV Tool								4050	1609	13	1622	0	2nd Stage
Production	FW/Cut Brine	9.0-10.5	8-3/4" to EOC	5.5	P110 BTC	17	0	16259	1105	998	2103	4050	
	Cut Brine	10.5	8-1/2" to TD										

Max Expected Surface Pressure
3737

BOP
Cameron 5M Double Ram BOP
Test Pressure 5000

Total Vertical Section 4843

Contingencies

1. 8-5/8" may be set from 10,000 - 10,400' Depending on where 3rd Bone Spring Carbonate comes in while drilling
2. During Intermediate hole, should losses become severe and drilling not reach 10300', the 8-5/8" csg will be changed for 9-5/8" casing. XTO will then run a series of Formation Integrity Tests to evaluate if Upper Bone Spring Formations are competent enough to drill remaining production hole in one section
3. Areas of interest where 9-5/8" may have to be set exist between 3900' - 10,000'
4. Once 9-5/8" casing is set, should wellbore stability become an issue before reaching the end of curve, 7" csg will be set, and the wellbore will resemble the 4-string design attached.
5. In either case, OBM may be used in production hole if production hole becomes unstable while drilling with WBM