

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Original
to Appropriate
District Office

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

**NM OIL CONSERVATION
ARTESIA DISTRICT**

GAS CAPTURE PLAN

JUN 06 2018

Date: 2/23/18

Original Operator & OGRID No.: Cimarex Energy Co-215099
 Amended - Reason for Amendment: _____

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
Riverbend 12-13 Fed Com 30H	Pending	1-25S-28E	1379 FSL & 1376 FWL	3,300		
	30-015-45021		1396			

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to Gas Transporter and will be connected to Gas Transporter low/high pressure gathering system located in Eddy County, New Mexico. It will require 26,400' of pipeline to connect the facility to low/high pressure gathering system. Operator provides (periodically) to Gas Transporter a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Operator and Gas Transporter have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at Gas Transporter Processing Plant located in Sec 32-23S-28E Eddy County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on Gas Transporter system at that time. Based on current information, it is Operator's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
 - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
 - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

Offset Trajectory	Separation			Allow Dev. (ft)	Sep. Fact.	Controlling Rule	Reference Trajectory		Risk Level			Alert	Status
	Ct-Ct (ft)	MAS (ft)	EOU (ft)				MD (ft)	TVD (ft)	Alert	Minor	Major		
891.80	82.09	836.09	809.71	16.84	OSF1.50	11130.00	10806.10				MinPt-O-SF		
887.34	83.00	831.03	804.33	16.57	OSF1.50	11540.00	10827.00				MinPt-CiCi		
887.27	268.28	707.44	618.99	5.00	OSF1.50	15660.00	10827.00	OSF<5.00			Enter Alert		
887.10	669.49	439.80	217.62	1.99	OSF1.50	22739.20	10827.00				MinPts		

Cimarex Riverbend 12-13
Federal Com #16H Rev1 RM
1Feb18 (Non-Def Plan)

											Warning Alert	
1120.81	32.81	1118.31	1088.00	N/A	MAS = 10.00 (m)	0.00	0.00				Surface	
1120.80	32.81	1118.30	1088.00	N/A	MAS = 10.00 (m)	24.00	24.00				WRP	
1065.60	35.50	1041.09	1030.10	48.36	OSF1.50	4240.00	4224.39				MinPt-CiCi	
1010.69	82.96	954.51	927.73	18.82	OSF1.50	9450.00	9393.77				MinPt-CiCi	
1010.72	83.00	954.51	927.72	18.81	OSF1.50	9460.00	9403.69				MinPts	
1011.94	83.21	955.60	928.73	18.78	OSF1.50	9520.00	9463.22				MinPt-O-SF	
1472.12	58.99	1431.96	1413.13	39.03	OSF1.50	11000.00	10778.20				MinPt-O-SF	
1413.17	71.88	1364.42	1341.29	30.50	OSF1.50	11800.00	10827.00				MinPt-CiCi	
1413.19	425.77	1128.51	987.42	5.00	OSF1.50	20490.00	10827.00	OSF<5.00			Enter Alert	
1413.20	522.60	1063.83	890.39	4.07	OSF1.50	22739.20	10827.00				MinPts	