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

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EMNRD-OCDARTESIA

GAS CAPTURE PLAN

Date: 06/17/19

Original

Devon & OGRID No.: Devon Energy Prod Co., LP (6137)

Amended - Reason for Amendment:

This Gas Capture Plan outlines actions to be taken by the Devon 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

30-015-46821

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/Vented	Comments
Uraninite 32-33 State Fed Com 332H		Sec. 32, T19S, R29E	916 FNL, 192 FWL			Uraninite 32 CTB 2
Uraninite 32-33 State Fed Com 333H		Sec. 32, T19S, R29E	916 FNL, 222 FWL			Uraninite 32 CTB 2
Uraninite 32-33 State Fed Com 334H		Sec. 32, T19S, R29E	1176 FSL, 200 FWL			Uraninite 32 CTB 2
Uraninite 32-33 State Fed Com 335H		Sec. 32, T19S, R29E	1146 FSL, 200 FWL			Uraninite 32 CTB 2
Uraninite 32-33 State Fed Com 336H		Sec. 32, T19S, R29E	1116 FSL, 200 FWL			Uraninite 32 CTB 2

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if DCP system is in place. The gas produced from production facility is dedicated to DCP and will be connected to DCP low/high pressure gathering system located in Eddy County, New Mexico. It will require 0 of pipeline to connect the facility to low/high pressure gathering system. Devon provides (periodically) to DCP a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Devon and DCP have periodic conference calls to discuss changes to the drilling and completion schedules. Gas from these wells will be processed at DCP Processing Plant located NENW in Sec.6, Twn. 24S, Rng. 29E, 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 DCP system at that time. Based on current information, it is Devon'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



APD ID: 10400043829

Submission Date: 08/14/2019

Highlighted data reflects the most recent changes

Operator Name: DEVON ENERGY PRODUCTION COMPANY LP

Well Name: URANINITE 32-33 STATE FED COM

Well Number: 336H

Show Final Text

Well Type: OIL WELL

Well Work Type: Drill

Section 1 - Geologic Formations

Formation ID	Formation Name	Elevation	True Vertical Depth	Measured Depth	Lithologies	Mineral Resources	Producing Formation
501920	UNKNOWN	3299	0	0	ALLUVIUM	NONE	N
501921	TOP SALT	3019	280	280	SALT	NONE	N
501922	BASE OF SALT	2590	709	709	SALT	NONE	N
657607	CAPITAN REEF	1906	1393	1393	LIMESTONE	NONE	N
501926	CHERRY CANYON	146	3153	3153	SANDSTONE	NATURAL GAS, OIL, POTASH	N
501923	BRUSHY CANYON	-201	3500	3500	SANDSTONE	NATURAL GAS, OIL	N
501924	BONE SPRING LIME	-1752	5051	5051	SANDSTONE	NATURAL GAS, OIL	N
501925	BONE SPRING	-3470	6769	6769	SANDSTONE	NATURAL GAS, OIL	Y

Section 2 - Blowout Prevention

Pressure Rating (PSI): 5M

Rating Depth: 3129

Equipment: BOP/BOPE will be installed per Onshore Oil & Gas Order #2 requirements prior to drilling below intermediate casing, a BOP/BOPE system with the above minimum rating will be installed on the wellhead system. BOP/BOPE will be tested by an independent service company per Onshore Oil & Gas Order #2 requirements and MASP (Maximum Anticipated Surface Pressure) calculations. If the system is upgraded, all the components installed will be functional and tested.

Requesting Variance? YES

Variance request: A variance is requested for the use of a flexible choke line from the BOP stack to the choke manifold. See attached for specs for hydrostatic test chart.

Testing Procedure: A multibowl wellhead may be used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested.

Choke Diagram Attachment:

5M_BOPE__CK_20200210090611.pdf

BOP Diagram Attachment:

5M_BOPE__CK_20200210090627.pdf