

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 89210
District III
1000 Rio Brazos Road, Aztec, NM 874 1 0
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

Submit Original
to Appropriate
District Office

**NM OIL CONSERVATION
ARTESIA DISTRICT**

GAS CAPTURE PLAN

APR 13 2018

Date: 3/20/18

Original Operator & OGRID No.: Mack Energy Corporation - 013837
 Amended - Reason for Amendment: Moved Location

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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
Windsor Federal #1H	<u>30-005</u>	Sec. 20 T15S R29E	660 FSL & 1675 FWL	50		
	<u>64305</u>					

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 DCP Midstream and will be connected to DCP Midstream low/high pressure gathering system located in Chaves County, New Mexico. It will require 0 (existing) of pipeline to connect the facility to low/high pressure gathering system. Mack Energy Corporaiton provides (periodically) to DCP Midstream a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Mack Energy Corporaton and DCP Midstream have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at DCP Midstream Liram Ranch Processing Plant located in Sec. 6, Twn. 19S, Rng. 37E, Lea 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 Midstream system at that time. Based on current information, it is Mack Energy Corporation 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

District I
1625 N. French Dr., Hobbs, NM 88249
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District III
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District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
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State of New Mexico
Energy, Minerals & Natural Resources Department
ARTESIA DISTRICT
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

APR 13 2018

AMENDED REPORT

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WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
52770	Round Tank; San Andres	
Property Code	Property Name	Well Number
	WINDSOR FEDERAL	1H
OGRID No.	Operator Name	Elevation
13837	MACK ENERGY CORPORATION	3767.0

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	20	15 S	29 E		660	SOUTH	1675	WEST	CHAVES

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	29	15 S	29 E		5	SOUTH	1675	WEST	CHAVES

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

WINDSOR FEDERAL 1H
ELEV. = 3767.0'
LAT. = 33.008712°N
LONG. = 104.050900°W
N.M.S.P. EAST (FT)
N = 73087.99
E = 62537.10

W.O. CORNER SEC. 20
LAT. = 33.0014276°N
LONG. = 104.0592205°W
N.M.S.P. EAST (FT)
N = 72818.35
E = 62537.07

SW CORNER SEC. 20
LAT. = 32.991778°N
LONG. = 104.0592205°W
N.M.S.P. EAST (FT)
N = 72807.03
E = 62537.92

W.O. CORNER SEC. 29
LAT. = 32.999244°N
LONG. = 104.0592779°W
N.M.S.P. EAST (FT)
N = 72288.70
E = 62538.44

LAST TAKE POINT 100' P.S.L. 1075' P.W.C.
LAT. = 32.999104°N
LONG. = 104.053811°W
N.M.S.P. EAST (FT)
N = 72038.34
E = 62589.73

SW CORNER SEC. 29
LAT. = 32.979741°N
LONG. = 104.0594521°W
N.M.S.P. EAST (FT)
N = 72074.26
E = 62532.37

S.O. CORNER SEC. 20
LAT. = 32.9941809°N
LONG. = 104.0506128°W
N.M.S.P. EAST (FT)
N = 72535.93
E = 625018.88

SE CORNER SEC. 20
LAT. = 32.9941741°N
LONG. = 104.0419991°W
N.M.S.P. EAST (FT)
N = 72540.51
E = 630661.92

SE CORNER SEC. 29
LAT. = 32.979756°N
LONG. = 104.0421325°W
N.M.S.P. EAST (FT)
N = 72281.40
E = 630629.19

SW CORNER SEC. 29
LAT. = 32.9797702°N
LONG. = 104.0423325°W
N.M.S.P. EAST (FT)
N = 72301.96
E = 630602.71

FIRST TAKE POINT
100' P.S.L. 1075' P.W.C.
LAT. = 32.9940836°N
LONG. = 104.0537594°W
N.M.S.P. EAST (FT)
N = 72542.73
E = 62704.19

BOTTOM OF HOLE
LAT. = 32.9797573°N
LONG. = 104.0639909°W
N.M.S.P. EAST (FT)
N = 72028.34
E = 628997.04

S.O. CORNER SEC. 29
LAT. = 32.9797445°N
LONG. = 104.0508471°W
N.M.S.P. EAST (FT)
N = 72283.29
E = 627961.08

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interests in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered.

Signature: *Dana Weaver* 3-20-18
Date: 3-20-18

Printed Name: **Dana Weaver**

E-mail Address: **dweaver@mec.com**

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

MARCH 1, 2018
Date of Survey

Signature and Seal of Professional Surveyor: *[Signature]*
Certificate Number: **PRELIMON E. JARAMILLO, PLS 12797**

SURVEY NO. 28080