rDistrict 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

Date: 12/23/13

State of New Mexico Energy Minerals and Natural Resources

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

Form C-129 Revised August 1, 2011

Submit one copy to appropriate District Office

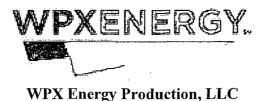
NFO Permit No

1220 S. St. 1 Tallols	51., Santa FC, 144 67505	141 O 1 CHINE 140.	(For Division Use Only)		
A	PPLICATION FOR EXCEPTION (See Rule 19.15.18.12 NMAC	ICATION FOR EXCEPTION TO NO-FLARE RULE 19.15.18.12 (See Rule 19.15.18.12 NMAC and Rule 19.15.7.37 NMAC) (See Rule 19.15.18.12 NMAC and Rule 19.15.7.37 NMAC Oll Secreted tank battery District 3.13 Nmac oll Sec			
A.	Applicant: <u>WPX Energy Production, L</u>	<u>LC</u>			
	whose address is: P.O. Box 640, Aztec, N	M 87410,			
(or LA		8.12 until <u>12/31/13</u> , for the follow	ing described tank battery		
	Name of Lease: Chaco 2306-19M #191H	Name of Pool: Lybrook	Gallup		
	Location of Battery: Unit Letter M	Section 19 Township 23N	Range6W		
	Number of wells producing into battery	One			
B.	Based upon oil production of <u>190</u> barrels per day, the estimated volume				
	of gas to be flared is 350 MCFD; Value: \$1	<u>,176</u> per day.			
C.	Name and location of nearest gas gathering to	facility:			
	Beeline Gas Systems in NW qtr sec 18	8, T23N, R6W			
D.	Distance 10,000' Estimated co	ost of connection \$456,000.00			
well is dedicat not yet receive propose to ten	requests a flaring extension through 01/31/2 red to Beeline and they are in the process of red authorization for the their 299 application porarily place a trailer mounted refrigerat	2014. The current extension is th securing Right-of-Way through to make the waiting for a pipeline clion unit on site to recover natura	the BLM FFO and have onnection, WPX would		
OPERATOR I hereby certify that the rules and regulations of the Oil Conservation		OIL CONSERVATION DIVISION)N		
Division have be	en complied with and that the information given above lete to the best of my knowledge and belief.	Approved Until 1/31/14			
Signature <u></u>	my though	By Brander Poll	•		
Printed Name & TitleLar	ry Higgins, Permit Supervisor	Deputy Oil & Gas			
E-mail Addre	ss larry.higgins@wpxenergy.com	Date 12-31-13			

Telephone No. (505) 333-1808

E-mail Address__larry.higgins@wpxenergy.com

Gas-Oil ratio test may be required to verify estimated gas volume.



In regards to the Mancos/Gallup oil development project WPX Energy currently has underway in Rio Arriba, Sandoval and San Juan counties, WPX Energy would like to propose the following changes in operations as a pilot program to reduce emissions and generate revenue from flare gas:

1) Temporarily place on a well site one 360 Mcf/d trailer mounted mobile refrigeration unit (Shown in Figure 1) downstream of the separator and upstream of the flare stack.

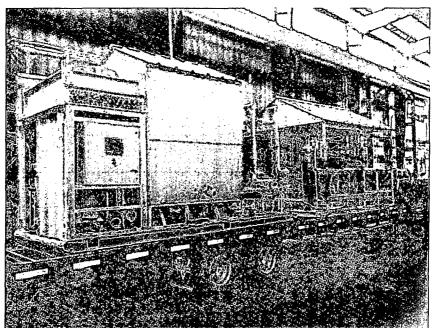


Figure 1: Recapture Solution's trailer mounted mobile refrigeration unit (MRU).

2) Temporarily place a Porta Pak style 18,000 gallon, 108" diameter, ~41' long, 250psi liquids tank with tripod dry breakaway loading valves and ESVs. (Shown in Figure 2)

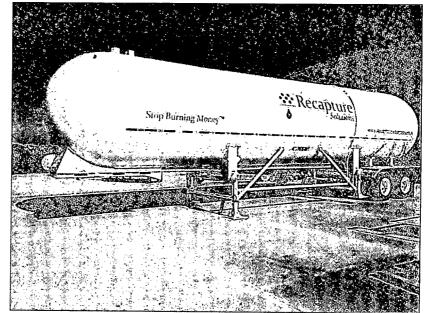


Figure 2: Recapture Solutions' portable liquids storage tank

3) One 100kW to 150kW natural gas or propane powered generator to power the MRU.

OBJECTIVE:

WPX Energy would like to deploy Recapture Solutions' systems to reduce the emissions from the flare stack during the approved flaring periods and to generate gross revenue by selling a portion of the well gas to Recapture Solutions, LLC.

Recapture Solutions, LLC estimates a reduction of flare emissions for a 'typical' Mancos/Gallup horizontal oil well as follows:

Estimated VOC reduction (%): 66%

Estimated VOC reduction (t/mo, open flare): 1.25

Estimated CO2 reduction (%): 21%

Estimated CO2 reduction (t/mo, complete combustion): 240.72

This operation will only take place on well sites that are awaiting pipeline connections and this operation will only take place during the approved flaring period for a specified well site.

OPERATIONS:

Recapture Solutions, LLC will operate all of the equipment in the refrigeration system described above. The mobile refrigeration unit will be monitored continuously via satellite and a trained technician provided by Recapture Solutions, LLC will be onsite once a day to verify correct operations of the refrigeration equipment. The mobile refrigeration unit is equipped with redundant safety systems such as but not limited to: low/high pressure shut down controls, ESD system, dry break away loading valves, pressure relief valves and jersey barriers around the storage trailer. A simplified process flow diagram is shown in figure 4.

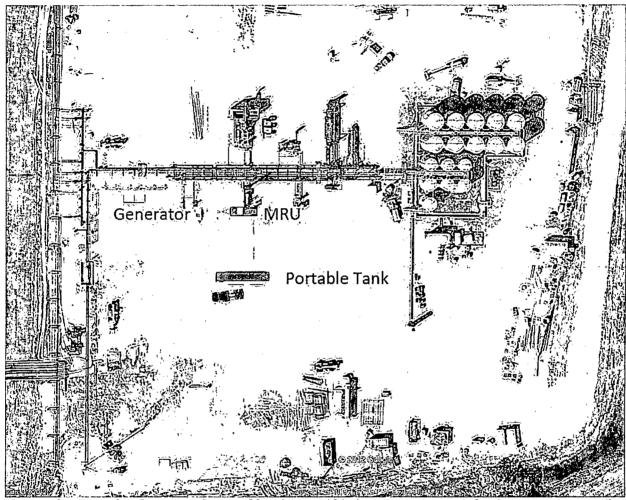


Figure 3: Example layout of a well site utilizing Recapture Solutions systems. The three labeled components consist of Recapture Solutions' equipment.

WPX Energy's environmental, health and safety department together with the operations group and Recapture Solutions' engineers have successfully completed a process hazard assessment of Recapture Solutions' refrigeration unit in accordance with WPX Energy's company policy.

The complete Process Hazard Assessment documentation is available upon request.

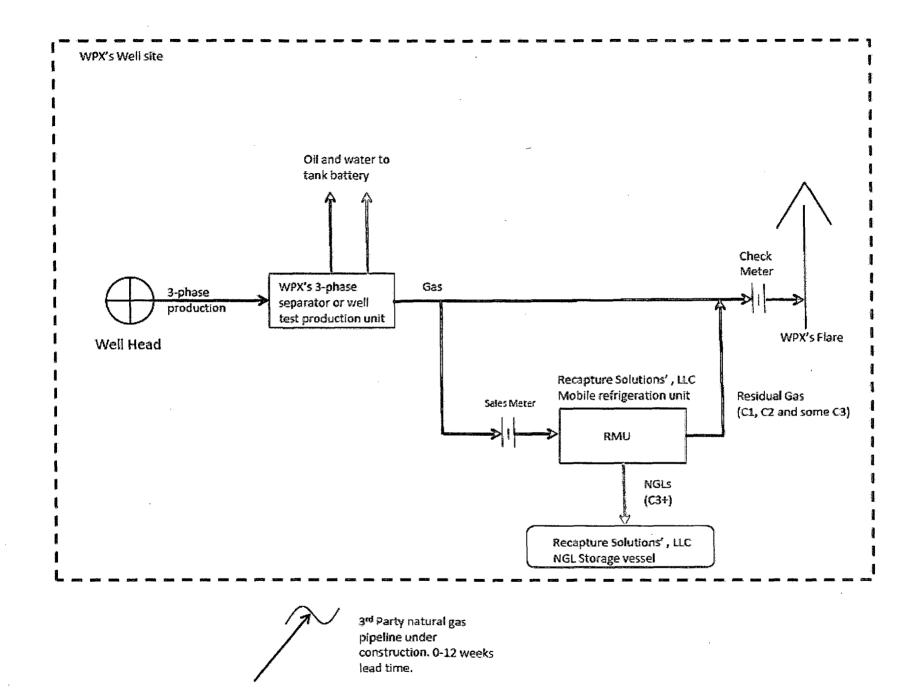


Figure 4: Process Flow Diagram

LOCATION

In some instances, WPX Energy will have flow back or production operations before the gas gathering pipeline is tied in to the well site. There are multiple sites that WPX Energy would like to pilot this technology in an effort to reduce the environmental impact of the Mancos/Gallup development project as well as minimize the lost value associated with flaring activity.

WPX Energy has identified the following location as most suitable for testing the effectiveness of this technology:

Chaco 2306-19M #191H, API No. 30-043-21139



2030 Afton Place Farmington, NM 87401 (505) 325-6622

Analysis No: WP130228 Cust No: 85500-10995

Well/Lease Information

Customer Name: WPX ENERGY PRODUCTION, LLC

Well Name:

CHACO 2306-19M #191H

County/State:

Location: Field:

Formation:

Cust. Stn. No.:

Source:

N/A

Pressure:

616 PSIG

Sample Temp:

DEG. F

Well Flowing:

Date Sampled:

12/04/2013

Sampled By:

ART ALSUP

Foreman/Engr.:

CODY BOYD

Remarks:

RUN #04-05; OPERATOR CODE #9024

Analysis

		,		
Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	6.057	0.6690	0.00	0.0586
CO2	0.375	0.0640	0.00	0.0057
Methane	65.458	11.1420	661.13	0.3626
Ethane	13.479	3.6190	238.54	0.1399
Propane	9.749	2.6970	245.29	0.1484
Iso-Butane	1.225	0.4020	39.84	0.0246
N-Butane	2.646	0.8380	86.32	0.0531
I-Pentane	0.471	0.1730	18.84	0.0117
N-Pentane	0.349	0.1270	13.99	0.0087
Hexane Plus	0.191	0.0860	10.07	0.0063
Total	100.000	19.8170	1314.02	0.8197

^{* @ 14.730} PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

COMPRESSIBLITY FACTOR

(1/Z): 1.0043

GPM, BTU, and SPG calculations as shown above are based on current GPA factors.

BTU/CU.FT (DRY) CORRECTED FOR (1/Z):

1322.6

BTU/CU.FT'(WET) CORRECTED FOR (1/Z):

1299.6

REAL SPECIFIC GRAVITY:

0.8228

DRY BTU @ 14.650:

1315.4

CYLINDER #:

CHACO 12

DRY BTU @ 14.696:

1319.5

CYLINDER PRESSURE: 541 PSIG

DRY BTU @ 14.730:

1322.6

DATE RUN:

12/5/13 1:01 PM

DRY BTU @ 15.025:

1349.1

ANALYSIS RUN BY:

AMANDA ARMENTA

^{**@ 14.730} PSIA & 60 DEG. F.