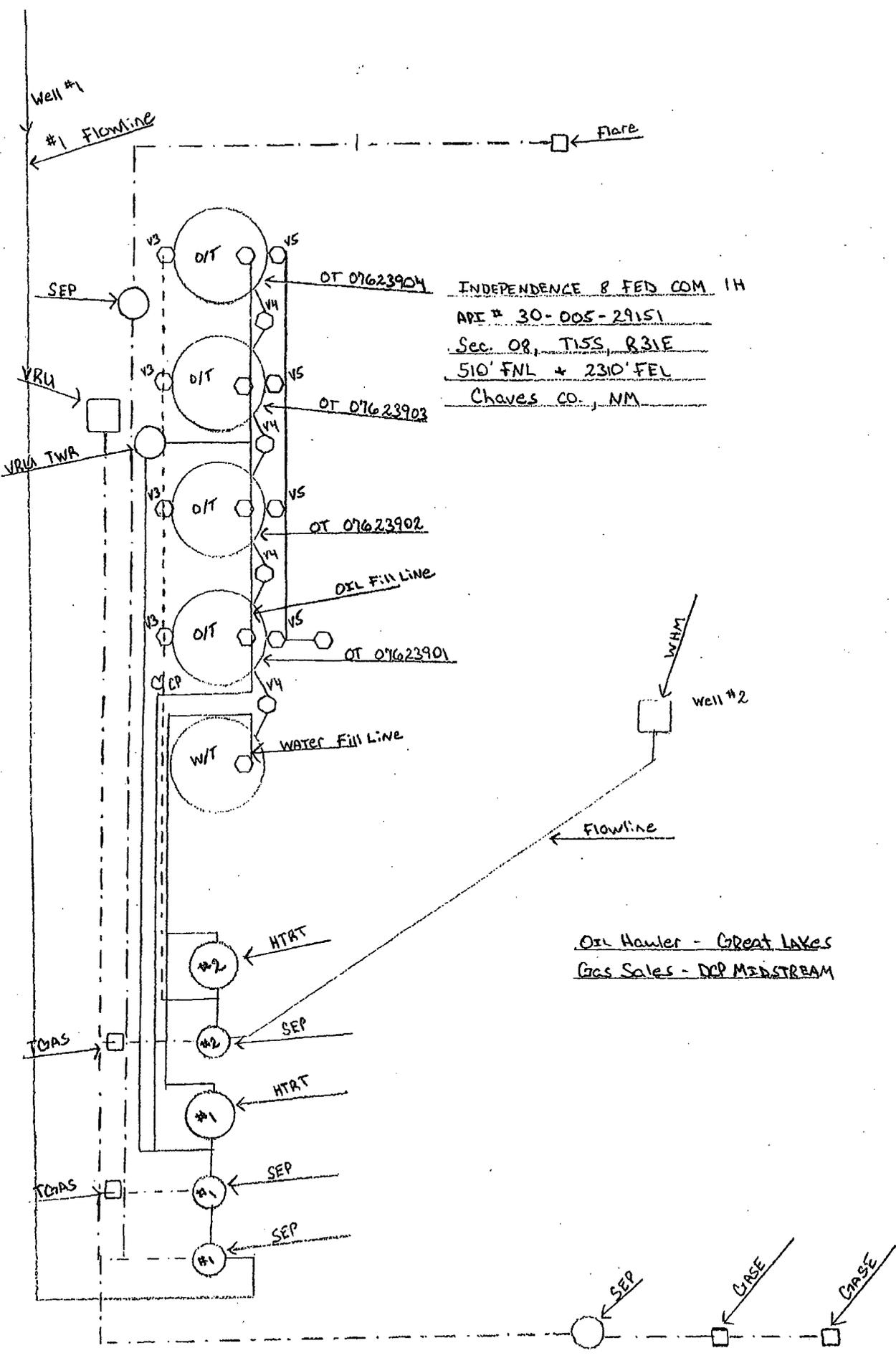


Revisions to Operator-Submitted EC Data for Sundry Notice #280146

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	SITE SR	SITE SR
Lease:	NMLC060850	NMLC069832B
Agreement:		
Operator:	CIMAREX ENERGY COMPANY 202 S. CHEYENNE AVE TULSA, OK 74103 Ph: 918-585-1100	CIMAREX ENERGY COMPANY 202 S. CHEYENNE AVE STE 1000 TULSA, OK 74103 Ph: 918-585-1100
Admin Contact:	HOPE KNAULS REGULATORY TECHNICIAN E-Mail: hknauls@cimarex.com Ph: 918-585-1100	HOPE KNAULS REGULATORY TECHNICIAN E-Mail: hknauls@cimarex.com Ph: 918-585-1100
Tech Contact:	HOPE KNAULS REGULATORY TECHNICIAN E-Mail: hknauls@cimarex.com Ph: 918-585-1100	HOPE KNAULS REGULATORY TECHNICIAN E-Mail: hknauls@cimarex.com Ph: 918-585-1100
Location:		
State:	NM	NM
County:	CHAVES	CHAVES
Field/Pool:	ABO WOLFCAMP WILDCAT	UNDESIGNATED-ABO-WOLFCAMP
Well/Facility:	INDEPENDENCE 8 FEDERAL COM 1H Sec 8 T15S R31E 510FNL 2310FEL	INDEPENDENCE 8 FEDERAL COM 1H Sec 8 T15S R31E NWNE 510FNL 2310FEL



INDEPENDENCE 8 FELS COM 1H
 API # 30-005-29151
 Sec. 08, T15S, R31E
 510' FNL + 2310' FEL
 Chaves CO., NM

Oil Hauler - Great Lakes
 Gas Sales - DCP MEDIUMSTREAM



LAFORATION SERVICES
Natural Gas Analysis

www.permianls.com

575.397.3713 2609 W Marland Hobbs NM 88240

For: Cimarex Energy
Attention: John Osborne
2020 W. Bender Blvd
Hobbs, New Mexico 88240

Sample: Separator
Identification: Independence 8 Fed. Com. # 1
Company: Cimarex Energy
Lease:
Plant:

Sample Data: Date Sampled 10/21/2013 1:40 PM
Analysis Date 10/22/2013
Pressure-PSIA 45
Sample Temp F
Atmos Temp F 58

Sampled by: Taylor Ridings
Analysis by: Vicki McDaniel

H2S = 0.1 PPM

Component Analysis

		Mol Percent	GPM
Hydrogen Sulfide	H2S		
Nitrogen	N2	2.122	
Carbon Dioxide	CO2	0.323	
Methane	C1	51.669	
Ethane	C2	20.113	5.365
Propane	C3	15.391	4.229
I-Butane	IC4	1.960	0.640
N-Butane	NC4	4.841	1.522
I-Pentane	IC5	1.083	0.395
N-Pentane	NC5	1.126	0.407
Hexanes Plus	C6+	<u>1.372</u>	<u>0.594</u>
		100.000	13.153

REAL BTU/CU.FT.

At 14.65 DRY 1652.1
At 14.65 WET 1623.3
At 14.696 DRY 1657.2
At 14.696 WET 1629.2
At 14.73 DRY 1661.1
At 14.73 Wet 1632.4

Specific Gravity

Calculated 0.9904

Molecular Weight 28.6853